

OHIO UNIVERSITY

BULLETIN

two five-week termsjune 13 - july 15
july 18 - august 20



summer session

Athens, Ohio

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PICTURES IN THE BULLETIN

(In order of appearance)

Alumni Gateway

Edwin Watts Chubb Library

Education Building

Work in the Speech Clinic

Cover design by Franklin A. DeCapua, B.F.A., 1959

OHIO UNIVERSITY BULLETIN

The 1960 Summer Session



FIRST TERM: JUNE 13—JULY 15

SECOND TERM: JULY 18—AUGUST 20

OHIO UNIVERSITY
ATHENS, OHIO

Volume LVII

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OF INTEREST TO TEACHERS

(Income Tax Deductions)

The courts have ruled that when summer session attendance is required of a teacher as a condition of reemployment, the cost of such attendance is deductible as a "necessary business expense" in reporting income for Federal income tax purposes.

It is suggested that teachers who feel that they have a legitimate basis for a summer session expense deduction consult a representative of the U. S. Bureau of Internal Revenue concerning the matter.

OHIO UNIVERSITY

THE 1960 SUMMER SESSION

JOHN CALHOUN BAKER, M.B.A., LL.D.-----*President of the University*
Cutler Hall

FREDERICK HOTCHKISS MCKELVEY, Ed.D.-----*Director of the Summer Session*
Wilson Hall

CLARK EMERSON WILLIAMS, A.B.-----*Director of Admissions*
and University Examiner
Cutler Hall

ROBERT ERNST MAHN, A.M.-----*Registrar*
Ewing Hall

ADVANTAGES OF SUMMER STUDY

YEAR-ROUND STUDY OPPORTUNITIES

The 1960 Summer Session, representing for Ohio University the seventieth consecutive year of summer time study, will consist of two five-week terms. In conjunction with the two regular semesters, this provides the opportunity for year-round study and research. The graduate assistant has the added opportunity of study with waiver of the general registration fee during the summer sessions immediately preceding and following the period of his appointment.

Formal graduation exercises on Saturday, August 20 for all summer graduates will mark the close of the summer session. Special arrangements

are being planned to accommodate those who completed requirements at the close of the first term who return for the exercises and other special events.

The work of the Summer Session is an integral part of the academic year, with every college represented in the summer offerings. All courses are given by members of the regular teaching staff or visiting lecturers of outstanding ability, and are equivalent to those offered in the regular year in method, content, and credit.

The courses offered in the summer range from the freshman to the doctoral level, and have been chosen from the broader offerings of the regular year to meet the needs of the following:

1. Teachers and school administrators who wish to complete degree requirements or take specific courses to improve their professional standing and keep abreast of developments in the field of education. Offerings which contribute to advancement in certification by the State Department of Education will be available.

2. High school graduates who desire to begin their college careers at once. By entering in the summer and attending each summer, a student may be able to complete the usual four-year college program in three years. Some will find attendance valuable for removing deficiencies in high school mathematics and completing work in English.

Students graduating in the lowest third of their high school class should attend the precollege counseling session on June 7 and 8. Students classified as on *special warning* because of low test scores in addition to the low standing in high school are urged to begin their work in the summer session since the beginning program for these students will not be available in the fall semester. Should a special warning student fail to attend the summer session, his next opportunity to begin his program will be in February, 1961.

The precollege program for students eligible to enter in September, 1960 is scheduled for July 18 to August 5.

3. Veterans who wish to take advantage of Federal aid to carry college work.

4. Entering students, or students enrolled during the regular year, who wish to accelerate their progress toward degrees.

5. Graduate students who find it necessary or desirable to utilize summer periods for study. Such students may complete one third of the degree requirements in the ten-week session. Of particular interest to masters' candidates is the fact that all requirements for the degree may be fulfilled during summer terms.

6. Persons not working for degrees but who want to enroll for specific courses and types of training in the elective studies program.

THE 1960 SUMMER SESSION CALENDAR

ACADEMIC

June 13—Mon.	First five-week term opens; advising, counseling, and registration for both terms. (Previously enrolled student should request permit to register by May 14.)
June 14—Tues.	Classes begin.
June 15—Wed.	Last day for registering for the term.
June 18—Sat.	Last day for adding five-week course by change order. Last day to withdraw from a course.
June 20—Mon.	Last day for partial refund of fees to students who withdraw. Last day for graduate student to be admitted to candidacy for a master's degree in the summer session. Last day for undergraduate students in first term and graduate students registered in either term to file application for a degree to be awarded on August 20.
July 8—Fri.	Final draft of August dissertations due in the Graduate College Office.
July 15—Fri.	Last day of classes for first five-week term. Final examinations during the last scheduled class meeting. Final draft of August theses due in the Graduate College Office.
July 16—Sat.	Advising, counseling, and registration of students not enrolled first term, 10:00 to 11:00 a.m. (Previously enrolled student should request permit to register by July 1.)
July 18—Mon.	Second five-week term opens with classes.
July 19—Tues.	Last day for registering for the term.
July 22—Fri.	Final date for master's comprehensive examinations.
July 23—Sat.	Last day for adding five-week course by change order. Last day to withdraw from a course.
July 25—Mon.	Last day for partial refund of fees to students who withdraw. Last day for undergraduates to file application for graduation on August 20. Graduate students shall file application by June 20.
Aug. 10—Wed.	Last day for thesis or dissertation oral examinations.
Aug. 12—Fri.	Theses and dissertations due in Library and abstracts due in Graduate College Office.
Aug. 17—Wed.	Candidates' grades due in Registrar's office, 4:00 p.m.
Aug. 19—Fri.	Last day of classes. Final examinations during the last scheduled class meeting.
Aug. 20—Sat.	Summer term closes; commencement.

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WORKSHOPS AND CONFERENCES

FOR COLLEGE STUDENTS AND FOR ADULTS

Pre-College Counseling	June 7—June 8
Housemothers' Workshop	June 12—June 17
Ohio School of Banking	June 12—June 18
Ohio Valley Summer Theatre	June 13—July 30
Summer Speech and Hearing Clinic for Children	June 13—Aug. 19
Ohio Workshop on Economic Education	June 20—July 9
Ohio Conservation Laboratory (Leesville Lake)	June 20—July 23
Conference on School Plant Planning and Operation	June 24
Conference on World Affairs	June 27—June 28
Conference on School Administration	June 28—June 30
Ohio Bookmen's Club Exhibit	July 5—6
Executive Development Program	July 10—Aug. 6
Institute for High School Science and Mathematics Teachers	July 10—Aug. 19
Workshop in Education of Slow-Learning Children	July 18—Aug. 5
Counseling and Guidance Training Institute	July 18—Aug. 19
Educational Television Teacher Training	July 18—Aug. 20
Institute for Credit Union Personnel	Aug. 7—Aug. 13
Instructional Leadership Conference	Aug. 8—Aug. 10
Elementary Teachers Music Workshop	Aug. 14—Aug. 19

FOR HIGH SCHOOL STUDENTS

Music Clinic-Workshop	June 12—June 25
Workshop in Debate	June 13—June 25
Science Workshop	June 12—July 2
Workshop on High School Publications	June 19—June 25
Ohio Student Council Workshops	July 31—Aug. 5 Aug. 7—Aug. 12

WORKSHOPS, CONFERENCES, AND SPECIAL EVENTS

During the summer of 1960, Ohio University will offer a number of workshops, conferences, and other special events. Some will be for high school pupils. These special events will range from one day to six weeks in duration. They will give participants an opportunity to work intensively at one project or in one area of interest. Most of the workshops designed for student participation will carry the possibility of university credit, but students should ascertain whether the credit earned in the particular workshop in which they enroll is applicable to the program they are carrying. A graduate student needs to be sure that the credit will be approved by his adviser and the dean of the Graduate College.

Most workshops, whether or not they offer the possibility of credit, will have a *basic inclusive fee* that will be assessed each participant. The *registration for credit fee* will be the regular summer term fee and be *in addition* to the *basic inclusive fee*. See FEES.

Students desiring undergraduate credit or registering as auditors in workshops will register on a simplified set of registration cards without the formality of obtaining an adviser's signature.

A student not previously registered at Ohio University will be admitted to a workshop by the Registrar as "Special Student, No Credits on File."

Students desiring graduate credit must be admitted to the Graduate College *prior to registration*.

HOUSEMOTHERS WORKSHOP

June 12—17

For information concerning the Housemothers Workshop, write to Miss Margaret Deppen, Dean of Women, or Mr. Paul Schofer, Assistant Dean of Men, Ohio University, Athens, Ohio.

OHIO SCHOOL OF BANKING

June 12—18

The Ohio School of Banking is sponsored by the Ohio Bankers Association. Attendance is limited to the officers and employees of member banks of the Association. The subjects covered by first-year students include Bank Operations, Investments, Bank Loans, Money and Banking, and Bank Law. The subjects covered by second-year students include Bank Operations, Commercial and Consumer Loans, and Public Relations. The fee includes board, room, and study materials.

For further information write to College of Commerce, Ohio University, Athens, Ohio.

THE OHIO VALLEY SUMMER THEATRE

June 13—30

The tenth season of the Ohio Valley Summer Theatre, a joint project of the University and the community of Athens, will feature a program of

six major plays in the Speech and Theatre Arts Building, which provides the most modern facilities for theatrical productions.

A maximum of twenty students will be accepted for enrollment in Dramatic Art 347 or 447 for from three to eight hours of credit. Students earning six or more hours of credit will be expected to work full time in the theatre. Graduate credit may be earned by students who qualify for admission to the Graduate College prior to registration.

The summer theatre program provides intensive practical experience in any or all phases of theatrical production, such as acting, directing, costuming and make-up, scene design and construction, scene painting and lighting, house management, and publicity under the supervision of competent staff members and in close association with those members of the community and the college faculty who work in the summer theatre.

Regular summer session fees apply—except for those who participate as members of the theatre company for less than a five week session and without credit or for less than four hours of credit. This latter group will pay a workshop fee of \$15 plus \$12 per credit hour. Assistantships covering either or both room and board are available for a limited number of students with considerable experience in theatre.

For additional information write to Dr. Claude E. Kantner, Director, School of Dramatic Art and Speech, Ohio University, Athens, Ohio.

SUMMER SPEECH AND HEARING CLINIC FOR CHILDREN

June 13—August 19

This special clinic for children with speech and hearing problems is sponsored by the School of Dramatic Art and Speech. The clinic will provide opportunities for observation and clinical practice for students enrolled in courses in speech and hearing therapy.

OHIO WORKSHOP ON ECONOMIC EDUCATION

June 20—July 9

The Workshop on Economic Education is sponsored by the College of Education and the Department of Economics of the College of Commerce, in cooperation with the Ohio Council on Economic Education and the Joint Council on Economic Education. The program will be devoted to a study of the nature of the American system of free enterprise and major social-economic problems involved in it, including such areas as our economic resources, the national economy, problems of control, underlying economic problems, and problems of economic education in our schools. Lectures, workshop activities, field trips, and recreation will characterize the program.

The workshop will be open by invitation to approximately 85 representatives of city and exempted village and county school systems in Ohio, including superintendents, supervisors, principals, and teachers.

Students attending the regular summer session will be welcome to attend the lectures, panel discussions, and exhibits of materials.

Students desiring academic credit will register for Ed. 358, and pay the registration fee of \$36.

Requests for additional information should be addressed to Mr. Robert Forbes, Center for Educational Service, College of Education, Ohio University, Athens, Ohio.

OHIO CONSERVATION LABORATORY

June 20—July 23

Ohio University cooperates with other state universities in conducting the Ohio Conservation Laboratory at Camp Muskingum on Leesville Lake in Carroll County. This laboratory offers a splendid opportunity to all persons interested in the wiser use of natural resources and in conservation education. Students attend for five weeks and receive six hours credit. Those who intend to enroll for the program should register for Ed. 388—Conservation Education Workshop, for six semester hours. The registration fee of \$35 is payable to Ohio University at the time of registration. The five-week charge, \$110 for room and board, and a laboratory fee of \$10 are payable at the camp on the first day.

The course may be taken for undergraduate credit; or for graduate credit by students who have been admitted to the Graduate College. The student should ascertain applicability of the credit to his particular program by consulting his adviser or dean. A number of scholarships are usually available from outside sources.

A descriptive brochure and additional information may be obtained by writing to Dr. Myron T. Sturgeon, Department of Geography and Geology, Ohio University, Athens, Ohio.

CONFERENCE ON SCHOOL PLANT PLANNING AND OPERATION

June 24

This conference is especially directed to school administrators, members of boards of education, architects, and lay persons concerned with the various phases of school plant planning and operation. Practical problems pertaining to school building financing, layouts, new materials, construction practices, and the maintenance and operation of new and existing buildings will be discussed with educational consultants, architects, and building contractors.

Requests for additional information should be addressed to Dr. William W. Chase, Center for Educational Service, Ohio University, Athens, Ohio.

CONFERENCE ON WORLD AFFAIRS

June 27—28

The conference will consider India's foreign policy with special attention to recent political developments along the India-China border. The program will include a convocation address by a speaker of national reputation followed by informal conferences. Because of the uncertainty of forthcoming developments in the international field, the topic is subject to re-examination in the light of actual events. More precise information may be

obtained prior to the opening of the Summer Session by writing to Dr. John F. Cady, Chairman, History Department, Ohio University, Athens, Ohio.

CONFERENCE ON SCHOOL ADMINISTRATION

June 28—30

The Fifteenth Annual Conference for School Administrators will be held Tuesday, Wednesday, and Thursday, June 28, 29, 30. The conference will concern itself with various phases of school administration, with emphasis on a problem, currently of critical importance to superintendents, executive heads, principals, and other public school administrators. There will be general meetings, group meetings, and discussions. The conference will open with a banquet program on Tuesday evening.

Banquet and housing on June 28; breakfast, lunch, dinner, and housing on June 29; and breakfast on June 30 will be available. The total cost for the Conference will be \$13.00 which will include meals, housing, and conference fee.

Directing the Conference will be Mr. Frank Bean, Dr. Samuel Hicks, and Dr. Russell Milliken. Requests for additional information should be addressed to the Center for Educational Service, Ohio University, Athens, Ohio.

OHIO BOOKMEN'S CLUB EXHIBIT

July 5—6

Representatives of the Ohio Bookmen's Club will be on campus to display textbooks, illustrative materials, and other types of supplies and materials. The exhibit will be held in the College of Education Building.

EXECUTIVE DEVELOPMENT PROGRAM

July 10—August 6

The program is designed for business executives between the ages of thirty-five and fifty who are nominated by their sponsoring companies. It is conducted almost entirely by the case method with some outside speakers from business. Subjects include Human Relations, Distribution, Financial Control, Production, Business Policy, and Labor and Collective Bargaining. Elective work in Public Speaking and Rapid Reading is offered.

The group is limited to thirty men with not more than two from one company.

The fee of \$900 includes board, room, and study materials.

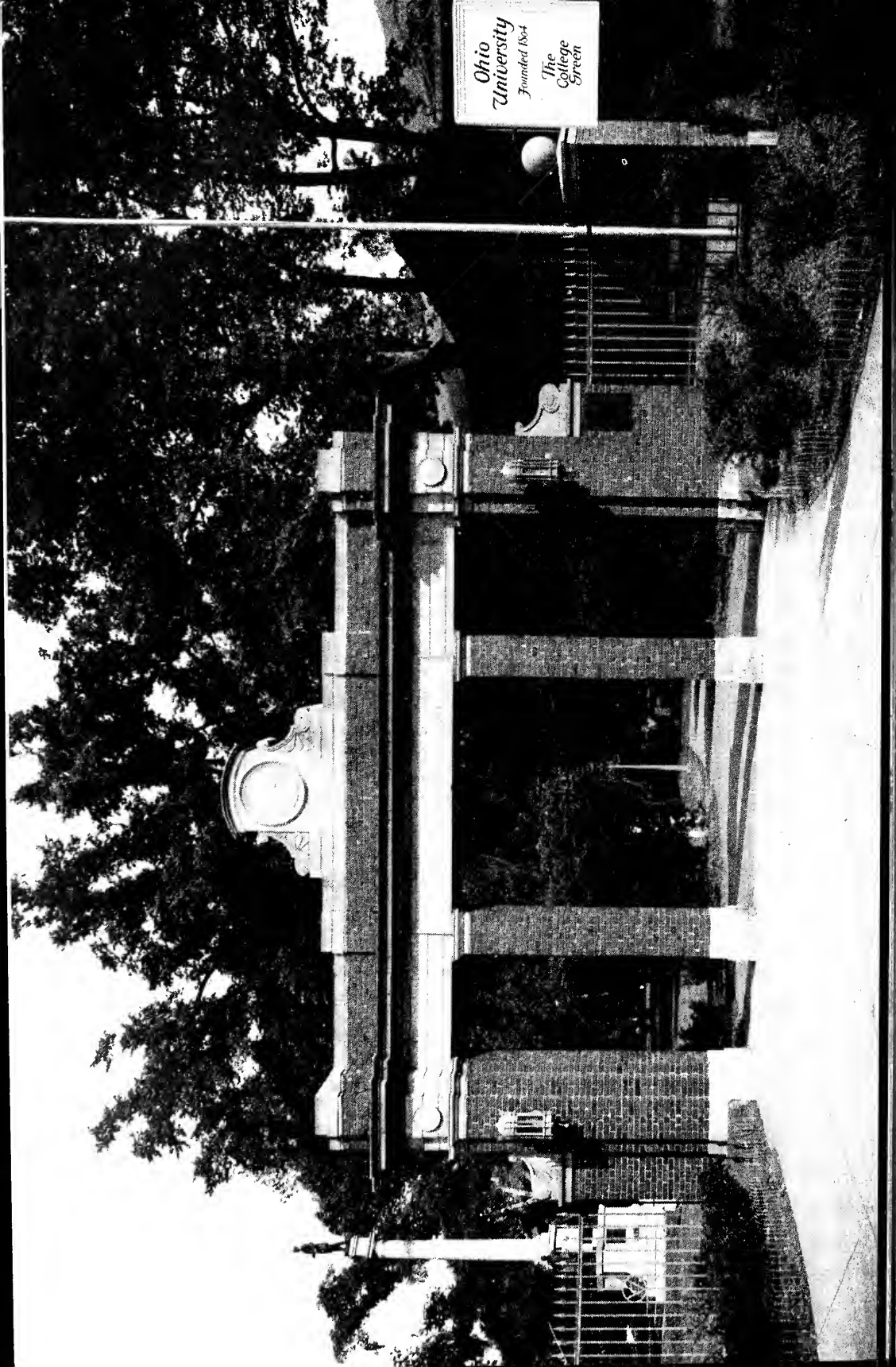
For further information write to College of Commerce, Ohio University, Athens, Ohio.

INSTITUTE FOR HIGH SCHOOL SCIENCE AND MATHEMATICS TEACHERS

July 10—August 19

National Science Foundation has awarded a grant to Ohio University

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for an Institute for High School Science and Mathematics Teachers to be held July 10 to August 19. Sixty teachers of general science and mathematics in junior and senior high schools will be awarded stipends up to \$75 per week, plus \$15 per week for each dependent, and will be exempt from registration fees. The major objective of the institute is to bring to science and mathematics teachers a better understanding of old and new concepts in the subjects which they teach.

Participants may enroll for credit. Necessary application forms and complete information may be obtained upon request from L. P. Eblin, Director, Science Teachers Institute, Ohio University, Athens, Ohio. Completed applications must be returned to the director by February 15.

WORKSHOP IN EDUCATION OF SLOW-LEARNING CHILDREN

July 18—August 5

This workshop provides an overview of slow-learning children: identification, deviations in growth and development, objectives and organization of the school program, adaptations in curriculum, materials and teaching techniques are included. Lectures and discussion are supplemented by films, guest speakers, field trips, and demonstration classes with slow learning children. For further information write to the Director, Summer Session, Ohio University, Athens, Ohio.

EDUCATIONAL TELEVISION TEACHERS TRAINING

July 18—August 20

This is a project to investigate certain techniques which may facilitate the classroom teacher's adaptation to the medium of television. This study will be conducted by the School of Dramatic Art and Speech in co-operation with the United States Office of Education.

Participants selected will have all expenses for board and room paid and will be reimbursed for their tuition. The course will be held during the second five-week summer term and will carry three hours of graduate or undergraduate credit. Students may register for an additional three-hour course.

Persons interested in participating in this program should apply to Dr. E. G. Andersch, School of Dramatic Art and Speech, Ohio University, Athens, Ohio.

INSTITUTE FOR CREDIT UNION PERSONNEL

August 7—13

For information concerning the Institute for Credit Union Personnel, write to Dr. Harry Crewson, Ohio University, Athens, Ohio.

INSTRUCTIONAL LEADERSHIP CONFERENCE

August 8—10

A conference for superintendents, supervisors, curriculum directors,

and elementary and secondary school principals interested in the education of academically gifted children. This conference is co-sponsored by the Center for Educational Service of the College of Education, Ohio University, and the Division of Special Education, Ohio Department of Education. For further information, write to Leadership Conference, Center for Educational Service, Ohio University, Athens, Ohio.

ELEMENTARY TEACHERS MUSIC WORKSHOP

August 14—19

The Workshop in Elementary School Music and Junior High School Music is for classroom teachers, music teachers, and supervisors of music. The staff, including nationally known specialists, is assisted by the Ohio University music education faculty.

One hour of credit may be secured by those who register for credit. If graduate credit is desired, the application should be made to the Graduate College, before registration day. The workshop fee of \$9.00, and the credit fee of \$12.00, plus the board and room fee of \$27.00 brings the total to \$48. Room will be available beginning the first day of the workshop, and meals will be served beginning at noon of the first day. Room for any other time will be \$2.00 a night.

For further information, write Miss Mary D. Blayney, School of Music, Ohio University, Athens, Ohio.

WORKSHOPS FOR HIGH SCHOOL STUDENTS

MUSIC CLINIC-WORKSHOP

June 12—25

This workshop in band, chorus, and orchestra is for boys and girls between the ages of 14 and 19 interested in music, and for the professional stimulation and growth of prospective and in-service music teachers.

A staff of outstanding guest conductors has been secured to direct the three musical units.

For the music teacher there will be a variety of musical experiences including the opportunity to follow the development of three well-balanced bands, an orchestra, and chorus, and daily clinic and workshop sessions where all phases of music teaching and everyday problems of music instruction will be discussed by nationally recognized music education authorities.

A recreation and health program for the enjoyment and welfare of the members has been developed. Such activities as sports, dances, mixers, plays, and lectures on the campus; swimming, hiking, and sightseeing tours in "Scenic Southeastern Ohio" will be conducted.

The all-inclusive fee for the two weeks is \$57. This amount includes a workshop fee of \$22 and a charge of \$35 for room and board in university residence halls. In-service music directors may apply for assistantships which will cover the all-inclusive fee of \$57.

Two hours of university credit may be secured by teachers who register for credit in either the band, orchestra, or chorus clinic. The registration fee is \$24, unless the registration is part of a regular summer load for which the regular fee has been paid. No credit will be allowed to high school students. To obtain graduate credit for the Music Clinic-Workshop a person must be admitted to the Graduate College prior to the opening of the clinic.

Address inquiries to Dr. Gilbert A. Stephenson, School of Music, Ohio University, Athens, Ohio.

Applications and fees are to be mailed to the Office of the Treasurer as soon as possible and not later than June 4. Checks are payable to Ohio University.

WORKSHOP IN DEBATE FOR HIGH SCHOOL STUDENTS

July 13—25

This workshop is sponsored by the School of Dramatic Art and Speech for high school students of sophomore, junior, or senior rank. The number of participants in each group will be limited to thirty. Preference will be given to students who have participated in at least one year of interscholastic debate or a related form of forensic activity, such as extemporaneous speaking or oratory.

Emphasis will be placed on an analysis of the high school debate proposition for the 1960-61 season, preparation of a bibliography, study and evaluation of evidence, construction of the brief, and formal debate practice. Opportunities will also be provided for practice in parliamentary law, extemporaneous speaking and group discussion.

The fee is \$20. Board and room will be available in University residence halls at \$35 for the two-week period. Thus the total fee is \$55.

For further information write to Dr. Paul D. Brandes, Director, Workshop in Debate, Ohio University, Athens, Ohio.

Applications and fees are to be mailed to the Office of the Treasurer as soon as possible and not later than June 4. Checks are payable to Ohio University.

HIGH SCHOOL SCIENCE WORKSHOP

June 12—July 2

The workshop will be open to approximately one hundred high school students who will be juniors or seniors in the fall of 1960. Ohio University professors will give lectures and demonstrations in the following fields: Astronomy, Bacteriology, Botany, Chemistry, Geology, Mathematics, Physics, and Zoology. Field trips and carefully planned laboratory periods will be an integral part of the program.

Designed to stimulate interest in the various branches of science, this program is planned to provide a richer understanding of the sciences and to present some of the methods, problems, and resources of this area of human endeavor. The workshop seeks to enroll students who have shown superior scholastic aptitude for science, in the belief that the program offered will help to develop the interest of future scientists.

If a grant is received for the operation of this workshop, a part of the costs will be paid for participants who are awarded scholarships to attend.

For further information write to Dr. William G. Gambill, Botany Department, Ohio University, Athens, Ohio.

WORKSHOP ON HIGH SCHOOL PUBLICATIONS

June 19—25

Designed for high school students and advisers, this workshop will include eight major areas: (1) editing and advising of regular letterpress newspapers, (2) editing and advising of mimeographed newspapers, (3) editing and advising of offset newspapers, (4) business phases of yearbooks, (6) editing and advising of yearbooks, (7) photography, and (8) radio-TV journalism.

A special clinic will be held for industrial editing, including all phases of company, employee, and specialized magazines.

Forty or more staff members, selected for their state and national recognition as high school journalism authorities, will conduct the workshop. Consultants and specialists in printing, engraving, cartooning, advertising, radio-TV, art, and industrial editing will be available for advice and instruction.

For the first time, high school advisers may obtain university credit in "Supervising School and College Publications" by attending the first five weeks of the summer term at Ohio University, June 13—July 15. Students enrolled in this course, Journalism 378, may receive 3 hours of credit on the graduate or undergraduate level. They will be able to participate in the week of workshopping, using this experience as a basis for case study in the course.

Under the guidance of the faculty and staff, students will prepare and publish a small-sized yearbook and three "model" newspapers—(1) "The Workshopper", printed by letterpress; (2) "The Streamliner", printed by mimeograph; (3) "The Offset Gazette", printed by offset. The model "Yearbook" has the name "OUWNAY", the letters signifying "Ohio University Workshops—Newspapers and Yearbooks."

Included in the daily sessions will be convocations, lectures, field trips, round tables, forums, demonstrations, and displays. Air conditioned Copeland Hall, home of the School of Journalism, will be the headquarters for the workshop.

Complete facilities are provided: typography, engraving, photography, and printing laboratories; UPI and AP wire services; visual aids and film equipment; radio and television equipment; libraries and specialized classrooms.

Workshoppers are invited to bring copies of their newspapers and yearbooks for analysis and criticism by the staff and consultants. If requested, the School of Journalism staff will provide written critiques of the publications issued during the year.

All types of fun and recreation are provided: swimming, golf, bowling, sports, dancing, games, picnics, parties, teas, receptions, contests, picture shows, and get-togethers. Sigma Delta Chi and Theta Sigma Phi, men's

and women's journalism fraternities, will provide guides and social assistants for the visiting journalists.

On "Commencement" night, June 24, all students and advisers will be awarded graduation diplomas for faithful participation and attendance. A banquet will precede and a graduation dance will follow the commencement program.

Each high school student attending the workshop will pay a total of \$25, which includes \$17.50 for board and room and \$7.50 lab fee. Total expenses for advisers will be the board and room charge of \$17.50. Lab fees and board and room charges are payable in advance. Advisers who enroll for University credit during the first five weeks will pay the customary university fees and charges.

Requests for information should be sent to Dr. L. J. Hortin, Director of the School of Journalism, Ohio University, Athens, Ohio.

Reservations should be made only through the Office of the Treasurer, Ohio University, Athens, Ohio. All checks should be made payable to Ohio University and mailed to the office of the Treasurer of Ohio University as early as possible and not later than June 11.

OHIO HIGH SCHOOL STUDENT COUNCIL WORKSHOPS

July 31—Aug. 5; Aug. 7—Aug. 12

The fourth annual High School Student Council Workshops will be conducted under the joint sponsorship of Ohio University and the Ohio Association of Student Councils. Attendance during either week is open to delegates and sponsors from high schools who are members of the Ohio Association of Student Councils.

The first workshop will meet from July 31 to August 5; the second from August 7 to August 12. The program for each of the workshops will follow a similar pattern. Attendance during each week will be limited to 150 delegates and sponsors. The maximum attendance from one high school is three student delegates and a sponsor.

Each workshop will have a staff of approximately 25 members including a consultant, co-directors, selected adult sponsors, junior counselors, state officers, and recreation personnel.

The program for each week will be centered upon problems and activities of regular high school student councils. Participants will attend general sessions and assigned council meetings. Recreation and special evening events are important parts of each workshop.

Each delegate to one of the workshops will be charged a \$35 fee. This fee will include room and board in university residence halls, health service, recreation, general supplies and materials, and operation costs.

Acceptance of registration for each workshop will be in terms of date of receipt of fees. Names of delegates may accompany fee payments or be submitted at a later date. The closing date for registration for each workshop is June 25, 1960. Checks for fees should be made payable to the Treasurer, Ohio University, and mailed to that office.

Requests for reservations and information should be sent to Dr. E. P. Lynn, College of Education, Ohio University, Athens, Ohio.

THE UNIVERSITY

Ohio University is state supported. Established by the Legislature on February 18, 1804, it became the first institution of higher learning in the Northwest Territory and beyond. Its approximately 8000 men and women students have available to them in a compact campus setting the finest in instructional, residential, cultural, and recreational facilities.

Home of the University in scenic southeastern Ohio is Athens, a city of 12,000. Athens is conveniently accessible by automobile on U.S. Routes 33 and 50 and State Route 56. It is on the main Baltimore-St. Louis route of the Baltimore and Ohio Railroad. North and south bus service is provided by the Lake Shore System and Trailways; east and west service by the Eastern Greyhound Lines.

ACCREDITATION

Ohio University is accredited by the North Central Association of Colleges and Secondary Schools, and by the recognized professional accrediting associations identified with its major academic divisions. It holds membership in the leading state and national educational and professional associations in its major areas of interest.

ORGANIZATION OF THE UNIVERSITY

CURRICULA AND DEGREES

THE UNIVERSITY COLLEGE

Basic preparation for admission to each of the degree-granting colleges
Two-year terminal programs leading to the Associate in Arts degree

THE COLLEGE OF APPLIED SCIENCE

Engineering Curricula leading to the degrees Bachelor of Science in
Chemical Engineering, Bachelor of Science in Civil Engineering,
Bachelor of Science in Electrical Engineering, and Bachelor of
Science in Mechanical Engineering

Curriculum leading to the degree Bachelor of Science in Industrial
Technology

The School of Home Economics

Curricula leading to the degree Bachelor of Science in Home Eco-
nomics

The Department of Industrial Arts

THE COLLEGE OF ARTS AND SCIENCES

Curricula leading to the degrees Bachelor of Arts and Bachelor of
Science

Preprofessional curricula

THE COLLEGE OF COMMERCE

Curricula leading to the degrees Bachelor of Science (major in Agricul-
ture), Bachelor of Science in Commerce, and Bachelor of Science
in Secretarial Studies

The School of Journalism

Curricula leading to the degree Bachelor of Science in Journalism

THE COLLEGE OF EDUCATION

Teacher-training curricula leading to the degree Bachelor of Science in Education

THE COLLEGE OF FINE ARTS

Curricula in three schools leading to the degree Bachelor of Fine Arts

The School of Dramatic Art and Speech

The School of Music

The School of Painting and Allied Arts

Curriculum leading to the degree Bachelor of Architecture

THE GRADUATE COLLEGE

Programs leading to the degrees Master of Arts, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Philosophy

THE BRANCHES

Chillicothe

Ironton

Lancaster

Martins Ferry

Portsmouth

Zanesville

THE DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

THE RESERVE OFFICERS' TRAINING CORPS

Air Science

Military Science and Tactics

THE UNIVERSITY EXTENSION DIVISION

Extension Classes

Evening School

Correspondence Courses

Detailed information about the undergraduate colleges is available in the General Catalog. Information about graduate study is available in the Graduate College Bulletin. Brief descriptions of the University College and the Graduate College are included here.

THE UNIVERSITY COLLEGE

The University College is especially concerned with helping the freshman make the transition from high school to college, and with making his freshman year provide a good educational foundation for later college work. Since all freshmen enroll in the University College, it is concerned primarily with the problems of first year students. Help is provided for selecting a schedule of classes, developing efficient methods of study, planning an educational program, and choosing a field of specialization.

Each student meets with his assigned faculty counselor. This counselor will help in preparing a schedule of classes, and each student is expected to confer with him at various times during the summer session. These conferences are arranged by the student for helping with such problems as he may wish to discuss.

The educational program of the University College is organized to meet the needs of the individual students. Required courses are determined on the basis of high school record and the educational objective of the student. The work of the freshman year is planned to provide a basic general education and a preparation for later specialization. Specific courses which are important for professional training are available.

The University College also offers the associate in arts degree for the completion of two years of college work. This program includes certain general education courses and a selection of career courses. This meets the needs of those students who may not wish to devote four years to their college work. Attending college during summer session will shorten the time for completing the requirements for a four-year degree or the two-year associate degree.

The starting program for Special Warning students will be offered in the summer terms. Those students who graduate in the lowest one-third of their high school class and who also stand in the lowest one-fifth on the Freshman tests are placed on Special Warning. Since the starting program for the Special Warning students will not be available in the fall semesters, these students must start their work either in the summer session or in a spring semester.

Students who are deficient in English and mathematics are advised to complete these studies during the summer and before assuming the full load of a regular semester's work.

A special precollege counseling day, June 7 and 8, will be available for students who will graduate in the lowest one-third of their high school class. They will be evaluated for Special Warning status and recommendations for starting college will be presented.

THE GRADUATE COLLEGE

The summer session affords many graduate students, particularly teachers and school administrators, an opportunity to engage in advanced study. An increasing number of graduate students consider it desirable to maintain the continuity of their programs of study, and have found the less crowded summer facilities of the laboratories and the library especially conducive to research. In many areas it is possible to complete the requirement for a master's degree in three full summer sessions of ten weeks each. The graduate offerings of the summer session are enhanced by special programs of study, conferences, clinics, workshops, and visiting lecturers.

The Graduate College confers the degrees of Master of Arts, Master of Education, Master of Science, Master of Fine Arts, and Master of Business Administration through the programs of instruction provided by the colleges of Arts and Sciences, Education, Commerce, Applied Science, Fine Arts, and the Division of Physical Education and Athletics. For those completing the requirements of the Master of Education degree an alternate plan is available which does not include a thesis. The degree of Doctor of Philosophy is granted in certain selected areas of study in the University. At present the doctoral program is limited to Chemistry, Education, Physics, Speech, and Speech and Hearing Therapy.

Scholarships are available to students of exceptionally strong scholastic qualifications. During the regular academic year assistantships with stipends

of \$1800 to \$2000 and exemption from the general registration and laboratory fee portions of the comprehensive fee are granted to students in many areas of study. Research and teaching fellowships with stipends ranging from \$2000 to \$2800 are also granted in certain departments, the stipend being based upon responsibilities of the appointment and experience of the appointee.

Information concerning requirements for admission to the Graduate College, programs for degrees, course offerings, scholarships, and assistantships may be found in the Graduate College Bulletin which will be sent upon request to the Dean of the Graduate College, Ohio University, Athens, Ohio.

FACILITIES AND SERVICES

Summer students have full use of all university facilities and may avail themselves of all its services.

LABORATORY SCHOOLS

During the first five-week term of the Summer Session, the University will maintain school laboratory facilities at the University Elementary School. Ed. 274, Advanced Student Teaching Laboratory, will be offered for experienced teachers. Permission for admission must be secured from the Director of Student Teaching.

The summer program in the elementary school is devoted entirely to an enrichment program at all grade levels, kindergarten through sixth grade. This five weeks' program is not a continuation of the year's work and it is not a remedial session. A limited number of the children of students attending the University are welcome to attend the school during the summer term provided application is made in advance and there are available facilities. Children attend school in the morning only, and swimming and other activities are included in the summer curriculum. There is no tuition fee.

UNIVERSITY LIBRARY

The Edwin Watts Chubb Library houses the University's main collection of more than 295,000 volumes, including periodical sets, documents, and pamphlets. The collection is shelved chiefly in the stacks to which all students have direct access. A reference collection of several thousand volumes is in the Reading Room and current issues of more than 1400 periodicals and newspapers are in an adjoining Periodical Room. The Library is equipped with both microfilm and microcard reading machines. Collections of specialized material are administered by the College of Commerce, College of Education, School of Music, Department of Chemistry, Department of Physics, Department of Zoology, and the Hudson Health Center.

HUDSON HEALTH CENTER

The Center includes a complete clinic with X-ray, clinical laboratory and minor surgery, a forty-bed hospital with an isolation wing, and a physiotherapy department. The staff includes four full-time doctors and eleven



registered nurses. The summer session fee entitles a student to (1) outpatient clinic service, which usually includes medications; (2) hospitalization in the hospital without charge; (3) consultations with outside specialists at the discretion of the director; and (4) emergency service at all hours.

TESTING AND COUNSELING SERVICE

Complete vocational counseling is available to interested students. Educational and vocational plans are developed on the basis of a survey of the abilities, interests, aptitudes, and achievements and also on the basis of the requirements for the occupations and their training programs. A fee of \$5 is charged students and prospective students to cover the costs of tests and scoring. Application for this service may be made by contacting the staff of the Testing and Counseling Service in Room 235, Porter Hall.

BUREAU OF APPOINTMENTS

Through the Bureau of Appointments, located in Cutler Hall, students, former students, and graduates of the University may obtain assistance in securing positions in teaching, business, and industry. A registration charge of \$2 provides this service while an applicant is enrolled as a student in the University and during his first year out of school. After the one year period, a charge of \$2 a year is made for each year in which assistance is requested.

The Bureau maintains and promotes all possible connections with prospective employers for the benefit of persons seeking initial placement and for those looking toward advancement to better positions.

LIVING ARRANGEMENTS

All undergraduate students (except those 25 years of age and over) carrying four hours or more must board and room in University housing during the summer terms. This rule also applies to married undergraduate students under 25 whose husbands or wives do not reside with them in Athens. Exceptions are made for commuters and legal residents of Athens. Any other exceptions must be directed to the Director of Housing for consideration by the University Ways and Means Committee.

APPLICATIONS. The application for housing must be completed as directed and returned with the required advance room payment of either \$36 for a double room or \$56 for a single room to the Director of Housing, Ohio University, Athens, Ohio. Checks or money orders should be made payable to Ohio University. An application is considered only if accompanied by the required advance room payment. Since the number of single rooms available is limited, assignments are made in order of date of receipt of application with accompanying room deposit.

BOARD. The cost of board in University halls for each five-week term is \$65 and includes 21 meals a week. Board rates are subject to revision, upward or downward, in accordance with prevailing economic conditions.

Residents in all University housing accommodations are required to

eat in University dining halls.

Students living in private homes may arrange to eat in University dining halls, but must continue with such arrangements until the end of the five-week term.

ROOMS. Room rates, per student, for each five-week term are \$56 for a single room and \$36 for a double room. These rates include a \$1 retaining fee per each five-week term which is not part of the room rent and is not refundable.

Rooms in all residence halls are furnished with dressers, study tables, chairs, and bed linens. The University provides for the laundering of bed linens. Items such as blankets, bed spreads, towels, toilet articles, and such accessories as draperies and desk lamps must be provided by the student.

PAYMENTS. The room payment of either \$36 for a double room or \$56 for a single room must accompany the housing application.

The full board charge of \$65 for each five-week term is due and payable at the beginning of the term for which application is made.

CANCELLATIONS AND REFUNDS. Full refund of the advance room payment will be made to a student requesting cancellation by the Saturday preceding the opening of the term for which application is made. After that, refunds will be on the basis of 75 per cent of the advance room payment (less charges for period of occupancy) if application is made before the end of the first week. A week is interpreted to mean a calendar week ending on Saturday.

A student cancelling before, or withdrawing during, the term will be refunded the unused portion of the board payment.

PRIVATE HOMES. Rooms in private homes are listed in the Office of the Director of Housing and a list of these is available upon request.

HOUSING FOR MARRIED STUDENTS

APARTMENTS: The University has 112 apartment units located on East State Street approximately two miles from The Green. Each of these apartments has a living room, bedroom, kitchen, and bathroom, and an abundance of closet space. Each apartment is provided with a gas cooking range and a gas heating unit. Tenants must arrange to supply the additional needed articles. The rent for each apartment is \$42 a month, payable in advance. The rental charge includes all utilities and garbage disposal.

In addition, there are seventeen two-room prefabricated units which accommodate a like number of families. The facilities are equipped with gas cooking range, oil heating unit, kitchen table and chairs, and dresser. The tenant must provide his own studio couch or bed and refrigerator. The rent for each unit is \$30 a month, payable in advance. The rental charge includes gas and water. Each family unit is quite livable.

Veterans are given preference in the assignment of these facilities.

TRAILER PARK: Space is available for privately-owned house trailers at \$14 a month. The charge covers water, sewerage, bath and laundry facilities, and ground rental. The charge does not cover electricity.

Convenient bus service is maintained by the University, on an hourly schedule when classes are in session, at no cost to the occupants of the facilities of the East State Street residential area.

It is anticipated that vacancies will exist in these accommodations. A limited number of the apartments are usually available through sub-leasing to married students during the summer session.

For information concerning quarters for married students, write to the Director of Housing, Ohio University, Athens, Ohio. A request form is provided on the last page of this bulletin.

CULTURAL-RECREATIONAL ACTIVITIES AND FACILITIES

SOCIAL POLICY

The students, faculty, and administrative officers of the Ohio University and the community of Athens are united in their interest in maintaining a moral tone and a social pattern that is in keeping with good taste and acceptable social practice anywhere among educated people.

THE UNIVERSITY CENTER

The University Center provides facilities for the cultural, social, and recreational needs of students. The building contains three beautiful lounges, a large ballroom, dining rooms, cafeteria, snack bar, library and record listening room, television, conference rooms, and recreational areas for bowling, billiards, table tennis, and cards.

UNIVERSITY CONVOCATIONS

Four or five general university convocations are held during the regular summer session. Speakers on current topics, concert artists, and other attractions are scheduled.

SUMMER THEATRE PRODUCTIONS

The Ohio Valley Summer Theatre, a joint project of Ohio University and the community of Athens, will present its tenth season of plays. Students enrolled in the Summer Theatre Workshop form the nucleus of the acting company and the plays are produced and directed by members of the staff of the School of Dramatic Art and Speech. Summer Session students are welcome to attend the series of plays.

TALL STORY ----- June 23, 24, 25, 26
by Howard Lindsay and Russel Crouse—Comedy

THE MOUSETRAP ----- June 30, July 1, 2, 3
by Agatha Christie—Mystery

THE MAN IN THE DOG SUIT ----- July 7, 8, 9, 10
by Albert Beich and William H. Wright—Comedy

THE GIRLS IN 509 ----- July 14, 15, 16, 17
by Howard Teichmann—Comedy

THE DARK AT THE TOP OF THE STAIRS -----July 21, 22, 23, 24
by William Inge—Drama

ANNIVERSARY WALTZ -----July 28, 29, 30, 31
by Jerome Chodorov and Joseph Fields—Comedy

GENERAL RECREATION AND ENTERTAINMENT

Among other recreational facilities is the natatorium, the nine-hole golf course which is adjacent to the campus, and tennis and handball courts.

Students enrolled in the Summer Music Clinic-Workshop will present a series of three concerts. The dates are June 18, 19, and 25.

Another series of concerts will be presented by the Ohio University Summer Concert Band.

Concerts in the latter series will be presented on Thursdays, July 7, 14, 21, and 28, and on August 4 and 11. Popular concert favorites will be programmed. Guest conductors and soloists attending the summer session will be invited to participate in these programs.

The concerts are held "Under the Elms" at a twilight hour for the enjoyment of the student body and the people of Athens and the surrounding communities.

Under the sponsorship of the Men's Independent Association, feature motion picture productions are shown in Alumni Memorial Auditorium.

Not many miles distant from Athens, and suitable as weekend diversions, are the attractions of four of the state's most scenic areas—Dow Lake, a new lake just east of Athens, within a 2000 acre state park area, which is used by the University for educational and research projects; Lake Hope, in the heart of the Zaleski State Forest; the caves and gorges of the Hocking Park Area; and Burr Oak Lake, near Glouster.

ADMISSION AND REGISTRATION

ADMISSION

All correspondence pertaining to the admission of a student to the University should be addressed to the Director of Admission and University Examiner, Ohio University, Athens, Ohio.

Students are accepted for admission to the University at the beginning of each of the five-week summer terms on the same basis as at the beginning of each of the semesters of the regular year.

Application for admission consists of the presentation of an application blank filled in by the applicant (to obtain application blank, use the form on the last page of this bulletin), official transcripts of all high school or college credit, two small photographs of the applicant, a vaccination and immunization blank certified by a physician, and a medical history blank filled in by the applicant and completed by a physician.

A student who has attended another college or university and who plans to come to Ohio University for the summer session *only*, is not required to provide transcripts of previous college credit, but he must furnish a statement from the school last attended that he is a student in good standing.

A student attending for the summer session *only* is not required to provide the medical report and vaccination and immunization certificate *unless he wishes his credits to apply on an Ohio University degree program.*

Application for admission to the University does not constitute an application for University housing. For information concerning application for living quarters, see "Living Arrangements."

APPLICANTS FROM OHIO. All residents of Ohio who are graduates of approved high schools are eligible for admission to Ohio University. An applicant, however, who ranks in the lowest third of his graduating class may be placed on *special warning*. This placement for the low-in-class graduate will be determined on the basis of freshman test scores, pattern of high school subjects, and high school recommendations. The tests must be taken at an announced time prior to the opening of the summer session.

Ohio University recognizes the General Education Development Tests and will admit a veteran on the basis of satisfactory scores achieved on these tests. However, the applicant may be accepted only for the two-year program if his test scores are low.

Any applicant, a resident of Ohio, who has attended another university or college and who desires to transfer to Ohio University is considered for admission if he has a point-hour ratio of 2.5 on the basis of all hours attempted, and if he is eligible for good standing at Ohio University.

APPLICANTS FROM OUT OF THE STATE. An application from an out-of-state student is considered if the applicant ranks in the highest third of his graduating class in an approved high school. In addition, the student will be evaluated on the basis of the pattern of high school subjects, especially the subjects which prepare him for his college work. Test scores and interview information may be required.

A veteran who ranks above the 50th centile on the General Educational Development Tests (High School Level) may be considered for admission.

A transfer student from out of the state who makes application for admission to any college of the University is considered for admission if he has a point-hour ratio of 2.5 on the Ohio University grade-point system on all hours attempted in all of his previous college work, and if he is eligible for good standing at Ohio University.

SPECIAL STUDENTS (*Non-Degree*). A mature person (whether or not a high school graduate, and ordinarily 21 years of age or over) not planning to work toward a degree or diploma, may be accepted as a *Special Non-Degree Student*. Such a person must file an application for admission to the University and clear through the Admissions Office. He is permitted to carry a full class load and may take any courses for which he is qualified.

Admission for the Summer Session only as a special student does not constitute admission to the regular academic year.

G. I. BILL TRAINEES

Veterans entering Ohio University for the first time should report to the Veterans Office, Room 9A, Ewing Hall, for information concerning their educational benefits. Following enrollment, the portion of the registration card marked *Coordinator* must be presented to the Coordinator of Veterans Affairs before enrollment under the *G.I. Bill* is complete.

Public Law 550 veterans (Korean G.I. Bill) should bring with them a copy of their Certificate for Education and Training (Form 7-1993) issued by the Veterans Administration. Public Law 894 (Disabled Korean G.I. Bill) veterans must be approved by the Training Officer who will be in the Veterans Office on registration day. Public Law 634 students (orphans) should also report to the Veterans Office as soon as possible after arrival on campus.

Veterans who carry non-credit toward degree courses as part of their load may expect to receive only partial benefits.

REGISTRATION

Details concerning the registration procedure are given in the Schedule of Classes which may be obtained from the Registrar. A fee of three dollars is charged for late registration, with the addition of one dollar for each day late. Students who register late pay registration fees on the day they register, and are subject to the late registration fee.

A permit to register must be obtained from the Registrar several weeks prior to registration. A new student receives his permit to register by mail with other admission material.

The days for advising and registration are indicated in the calendar. The hour and place for advising and registration will be indicated on the permit to register.

ACADEMIC LOAD. The normal academic load for a five-week term is six semester hours.

CREDIT. All credit is designated in semester hours. The credit hours applicable to any given course taken in a five-week summer term are the same as for a full semester.

AUDITING PRIVILEGE. At the time he is advised a student may receive permission to audit courses as part of his load. The courses must be marked "Audit" on the schedule and registration cards. The fee for auditing is the same as for credit.

REGISTRATION AND OTHER FEES

Fees are payable at time of registration

EACH FIVE-WEEK TERM		Resident of Ohio	Non- Resident
Comprehensive fee for load of 4 to 6 semester hours, inclusive -----		\$55.00	\$110.00
Includes the general registration fee, the student activity fee, student service fees such as health, library, and testing, and course and laboratory fees. Excludes fees for private instruction, as in music and bowling, which are listed in the course description.			
Extra fee for each semester hour in excess of 6 ---		12.00	25.00
Comprehensive fee for each semester hour for load			

of 1 to 3 hours inclusive, for entire term or for any portion of the term, including workshops and special classes -----	12.00	25.00
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Auditors pay fees in full as above.

MATRICULATION FEE. This \$10.00 fee is paid upon first registration in the University as a classified student. A student who transfers elsewhere and returns, pays the fee again upon readmission (one who attends another college as a transient student does not pay). A student who is dropped pays the fee again when he is reinstated.

STUDENTS who register for both terms may pay for both terms on June 13. Each term fee may be paid separately, in which case the first term fee is payable on the first day, June 13, and the second term fee is payable on Saturday, July 16.

INCIDENTAL FEE FOR GRADUATE ASSISTANTS, \$17.50

REFUND OF FEES. Voluntary and official withdrawal from the University during either term entitles the student to a refund of 75% of the comprehensive fee through Monday of the second week. There is no refund after this date.

FINANCIAL AIDS

Students may be assisted in furthering their education during the summer sessions by applying for three types of financial aid: scholarships, loans and part-time employment.

Students who are eligible for a scholarship or loan for the fall semester may receive aid of this type during the summer and then continue on during the rest of the semester.

Students desiring information concerning any of these types of aid should direct their inquiries to the Director of Student Financial Aids, Ohio University, Athens, Ohio.

GRADUATION REQUIREMENTS

UNIVERSITY CATALOG. For complete details concerning university regulations and requirements, see the General Catalog of the University.

PROFICIENCY IN ENGLISH. As a condition of graduation from Ohio University, every student must demonstrate his ability to write clear and correct English. Students who fail to make a grade of A or B in English 4 or in English 293 take the Proficiency Test. Those who fail the Test report to the Writing Clinic.

SCHEDULE FOR WRITING CLINICS AND PROFICIENCY TESTS

FIRST TERM: Writing Clinic; June 15, 16, 20, 21, 22, 23, 27, 28;
Proficiency Test: June 30.

SECOND TERM: Proficiency Test: August 4.

PHYSICAL EDUCATION. Men students have a flexible requirement. The normal requirement of two semester hours credit in service courses may be reduced by passing physical proficiency and sports tests which are offered at pre-registration periods and near the close of each summer term.

Women students are required to complete two semester hours credit in service courses.

Exemption from the physical education requirement is made automatically by the Registrar for a graduate student, for a student who is 30 years of age or over, or for a veteran who is 25 years of age or over, provided he has completed the requirement up to and including the semester in which he attained the required age.

RESIDENCE. In general the minimum residence requirement for a baccalaureate degree is two semesters or the equivalent in summer sessions which should total not fewer than 25 weeks with the completion of a minimum of 30 semester hours. If the minimum requirement is met, the 25 weeks must constitute final residence.

FINAL EXAMINATIONS. All students are required to take final examinations in order to receive credit. Final examinations are held during the last week of each term.

APPLICATION FOR GRADUATION. A candidate for graduation must make application for graduation in the Registrar's Office not later than the dates given in the University Calendar. The application fee for a baccalaureate degree is \$15; for the Associate in Arts degree, \$7.50. Application for graduation made after the time designated adds \$5.

TIME LIMIT. The time limit for fulfilling the published requirements for a degree is five years from the date of first registration in the University. Requirements instituted subsequent to the student's initial registration are applicable at the discretion of the University.

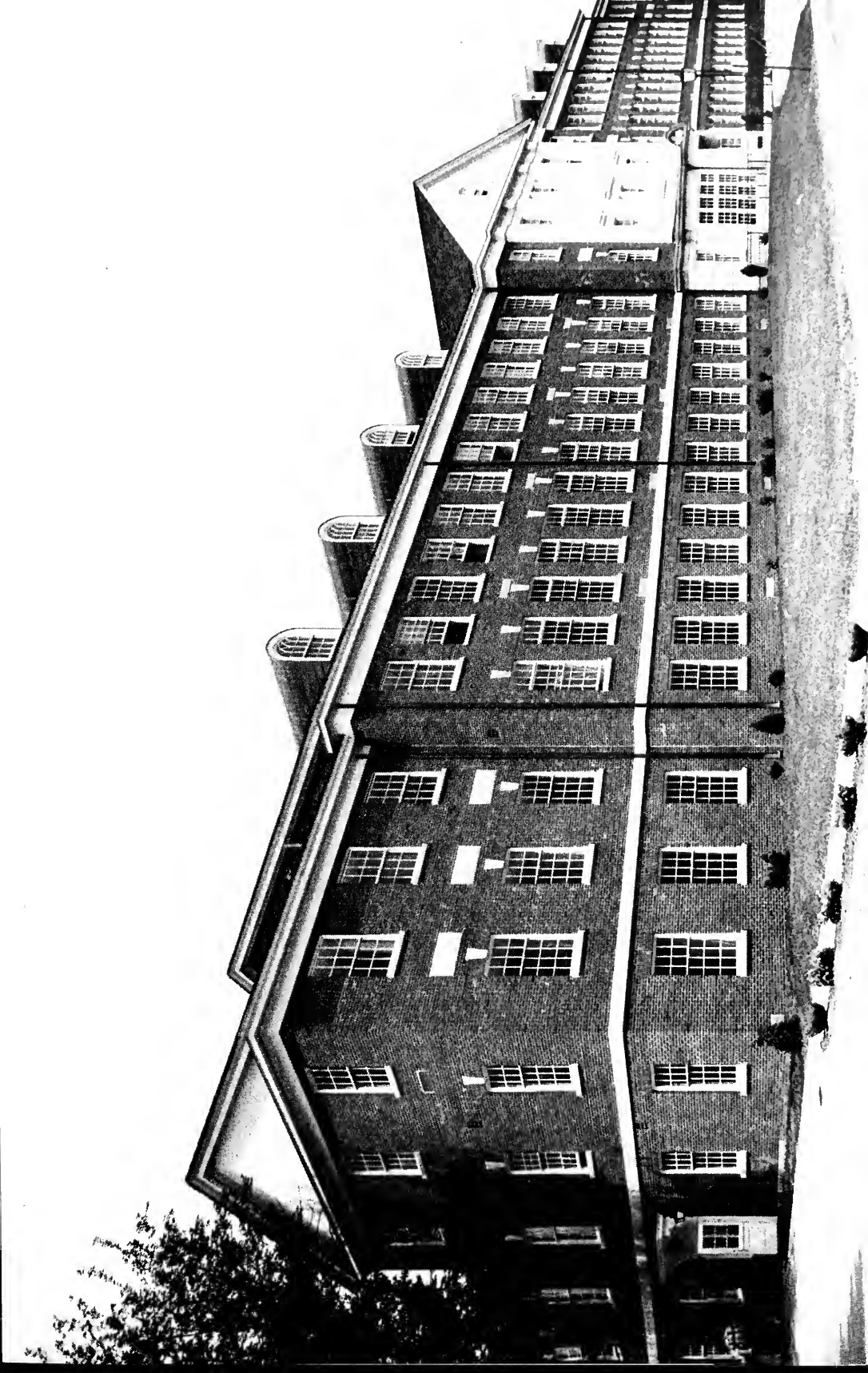
The following additional regulations apply:

1. A student who is advanced to a degree college at the end of his first year, and who does not change his major or equivalent, fulfills the requirements in effect at the time he first registered in the University.

2. A student who is retained in the University College for more than one year fulfills the requirements in effect at the time he enters the degree college. If he changes his major or equivalent he fulfills the requirements in effect at the time he makes the change.

A transfer student is governed by the same regulations, except that the number of years in which to complete the degree requirements is reduced by the number of years of transferred work.

MINIMUM STANDARD FOR GRADUATION. To meet the minimum standard for graduation from Ohio University, a student must have a point-hour ratio of 2.0 (C) on all hours attempted, but including only the final hours and points in repeated courses. This applies to his total record, and to his major or equivalent as determined by his college. For a student with transferred credit, this rule applies to both his cumulative record, which includes transferred credits, and to his Ohio University record exclusive of transferred credits.



A student who fails to graduate because of a grade point deficiency may take, with approval of his dean, up to a maximum of 6 semester hours of work in correspondence, extension, or branches of Ohio University to make up his deficiency. Work may not be taken at another college to make up this deficiency.

SUMMER SESSION COMMENCEMENT. Degrees and diplomas are awarded at formal graduation exercises at the end of the second five-week term. Attendance at graduation exercises is required of those in attendance the second term, unless excused.

COURSES OF INSTRUCTION

Classes in the summer Session are held five days a week, Monday to Friday, inclusive. Class periods are 90 minutes in length, with ten-minute intervals between. The schedule begins at 7:00 and continues with classes at 8:40, 10:20, 12:00, 1:40, and 3:20.

Normally, a class carrying three semester hours of credit meets daily, Monday through Friday, for 90 minutes; a class carrying two hours of credit meets daily, Monday through Friday, for 60 minutes; and a class carrying one hour of credit, on Tuesday and Thursday, for 90 minutes.

In the list of offerings a typical title line contains the following information: (1) course number, (2) course title, (3) semester hours of credit, (4) hour(s) and days of the week on which the class meets, and (5) the instructor. "Arranged" means that the time of meeting is arranged in a conference between instructor and student.

In a course carrying variable credit the credit may be expressed thus, (1 to 4), indicating that one hour is the minimum and four hours the maximum amount of credit allowed for the course in one summer term.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for freshmen; 100 to 199, for undergraduates above freshman level; 200 to 299, for advanced undergraduates; 300 to 399, for advanced undergraduates and graduates; and 400 to 499 for graduates.

A Schedule of Classes giving, in addition to the information below, the meeting places of classes may be obtained from the Registrar.

NOTE

Unless otherwise indicated, courses meet each day, Monday through Friday, at the hours shown.

Some 4 and 5 hour courses will continue for both summer terms (10 weeks). This is indicated following the course title.

COURSES FOR FIRST AND SECOND TERMS

ACCOUNTING

(FIRST TERM)

75. ELEMENTARY ACCOUNTING

3 8:40 Stewart

The fundamental principles of accounting theory and practices as they affect corporations, partnerships, and proprietorships.

125. **INTERMEDIATE ACCOUNTING** 3 10:20 Stewart
Preparation and analysis of accounting statements; special problems in accounting for current, fixed, and intangible assets, for liabilities, and for corporate net worth; funds and reserves; and investments. Prereq., 76.

381. **RESEARCH IN ACCOUNTING** 1 to 3 Arr. The Staff
Prereq., 306, 324, and permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

76. **ELEMENTARY ACCOUNTING** 3 8:40 The Staff
A continuation of Accounting 75. See description under 75, first term. Prereq., 75.

126. **INTERMEDIATE ACCOUNTING** 3 10:20 The Staff
A continuation of Accounting 125. See description under 125, first term. Prereq., 125.

381. **RESEARCH IN ACCOUNTING** 1 to 3 Arr. The Staff
Prereq., 306, 324, and permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

ADVERTISING

(FIRST TERM ONLY)

155. **ADVERTISING PRINCIPLES** 3 1:40 Richmond
A survey of advertising which considers its place in the field of marketing and its fundamental procedures. Prereq., Mkt. 155 or permission.

381. **RESEARCH IN ADVERTISING** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce including 5 hrs. advertising and permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

AGRICULTURE

(FIRST TERM)

1. **INTRODUCTION TO AGRICULTURE** 3 7:00 DeVea
A general education course open for all students. It includes a survey of the different opportunities in agriculture; a study of the role of various livestock enterprises; and the use of livestock products. Lesson plans and experiments for elementary and secondary school use will be presented and discussed if warranted.

102. **GARDENING** 3 10:20 DeVea
A study of the production, marketing, and preservation of vegetables for the home and market. A survey of plants raised in the garden and greenhouse. Garden planning and flower arrangement.

201. **AGRICULTURAL PRACTICES** 3 1:00-5:00 Stright
Practical experience either on the University farm or in the University greenhouse. Prereq., permission.

292. **AGRICULTURAL PRACTICES** 3 8:00-12:00 Stright
A continuation of Agriculture 201. Prereq., 201.

322. **AGRICULTURAL PROBLEMS** 1 to 3 Arr. The Staff
Intensive individual work either in research or in systematic reading or both in some advanced phase of agriculture under the guidance of the instructor to meet the needs and interests of the student. Maximum credit in course, 9 hrs. Prereq., 15 hrs. and permission.

(SECOND TERM)

201. **AGRICULTURAL PRACTICES** 3 8:00-12:00 MTWTh Stright
Practical experience on the University farm. Prereq., permission.

202. **AGRICULTURAL PRACTICES** 3 1:00-5:00 MTWTh Deveau, Stright
A continuation of Agriculture 201. See description under 201, first term. Prereq., 201.
322. **AGRICULTURAL PROBLEMS** 1 to 3 Arr. The Staff
See description under 322, first term.
381. **RESEARCH IN AGRICULTURE** 2 or 3 Arr. The Staff
Maximum credit in course 6 hrs. Prereq., 18 hrs. and permission.

ART

(FIRST TERM)

3. **ELEMENTARY DESIGN FOR TEACHERS** 2 8:40 MTWThF Eldridge
Principles of design, color, lettering, and related problems. Planned for students who expect to major in elementary education. 1 lec., 3 lab.
28. **FIGURE DRAWING** 2 1:40 MTWThF Eldridge
Study of the human figure from the nude and draped model. Maximum credit in course, 6 hrs.
111. **DRAWING WORKSHOP** 2 1:40 MTWThF Leach
Experimentation and familiarization with traditional and contemporary drawing techniques and media. Maximum credit in course, 4 hrs. Prereq., 2 or equivalent.
115. **CERAMICS** 3 8:40, 10:20 H. Lin
Production processes. Introduction to the chemistry of glazes and simple geology of clays. Field trips to potteries and native clay deposits. 1 lec., 5 lab. Prereq., 2 or equivalent.
116. **CERAMICS** 3 1:40, 3:20 H. Lin
Decorative Techniques. Slide lectures concerning decorative techniques of ancient and contemporary ceramic art. Introduction to glaze testing methods. 1 lec., 5 lab. Prereq., 115.
160. **PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS** 3 7:00, 8:40 McCarthy
Problems in modeling, ceramics, murals, puppets, painting, and other activities related to the elementary school and philosophy of teaching. Prereq., 3.
301. **INDIVIDUAL PROBLEMS** 1 to 3 Arr. The Staff
Senior and graduate registration for individual instruction. Prereq., permission. Maximum credit in course, 12 hrs.
316. **ADVANCED CERAMICS** 3 1:40, 3:20 H. Lin
Advanced production methods. Construction of potter's wheel, ball mill, and electric kilns. Advanced glaze and clay testing techniques. Maximum credit in course, 9 hrs. Prereq., 12 hrs., including 116 and permission.
341. **ADVANCED PAINTING** 2 or 3 1:40, 3:20 The Staff
Maximum credit in course, 12 hrs. Prereq., 20 hrs. and permission.
381. **RESEARCH** 1 to 3 Arr. The Staff
Individual problems of theory and practice involving research techniques. Prereq., permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

1. **DRAWING AND DESIGN** 3 8:40, 10:20 Driesbach
Emphasis on the inseparability of drawing and design. Aesthetic principles are dealt with as they arise out of specific problems rather than as separate entities. Required of all freshmen.
3. **ELEMENTARY DESIGN FOR TEACHERS** 2 8:40 C. L. Smith
See description under 3, first term.

118. **WATERCOLOR** 3 1:40, 3:20 C. L. Smith
Painting in the studio and out-of-doors. 6 lab. Prereq., 2.
160. **PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS** 3 1:40, 3:20 Loomis
See description under 160, first term.
205. **PAINTING** 2 8:10 Loomis
Basic techniques and practices in oil painting. Maximum credit in course, 12 hrs. Prereq., 10 hrs. or permission.
301. **INDIVIDUAL PROBLEMS** 1 to 3 Arr. The Staff
See description under 301, first term.
- 309a. **LITHOGRAPHY AND RELIEF PRINTS** 3 1:40, 3:20 Driesbach
The production of fine prints by planographic and relief processes. Prereq., 12 hrs. and permission.
- 309b. **INTAGLIO PRINTS** 3 1:40, 3:20 Driesbach
The production of fine prints by intaglio processes. Traditional and experimental work in etching, engraving, etc. Prereq., 12 hrs. and permission.
311. **ADVANCED PAINTING** 2 or 3 Arr. Loomis
Maximum credit in course, 12 hrs. Prereq., 205 and permission.
331. **RESEARCH** 1 to 3 Arr. The Staff
Individual problems of theory and practice involving research techniques. Prereq., permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

BOTANY

(FIRST TERM ONLY)

4. **GENERAL BOTANY** 3 7:00, 8:40 MTWTh The Staff
The structure and functions of plants, life cycles, classifications, genetics, a survey of the plant kingdom, and the fundamental inter-relationships of plants and animals, including man. No credit if Biology 1 and 2 have been completed. Prereq., 3.
106. **LOCAL FLORA** 3 12, 1:40 MTWTh The Staff
The collection, identification, and classification of the flowering plants through the study of the native flora, involving both laboratory and field studies. Prereq., 4 or Biol. 2.
343. **BOTANICAL STUDIES** 1 to 4 Arr. The Staff
Semi-independent studies supervised by the instructor. May include interdepartmental projects. Maximum credit in any area, 4 hrs.; total 8 hrs. Prereq., 12 hrs. including one listed course in that area and permission.
381. **RESEARCH PROBLEMS** 1 to 4 Arr. The Staff
Independent research. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

BUSINESS LAW

(FIRST TERM)

255. **BUSINESS LAW** 3 7:00 Howard
The principles of law involved in contracts, agency, sales, negotiable instruments, partnerships, and corporations. Prereq., junior or senior rank.
342. **LAW OF REAL ESTATE** 2 10:20 Howard
Deeds, mortgages, leases, and other interests in real property, and the relationships between landlord and tenant. Prereq., 256 or permission.
331. **RESEARCH IN LAW** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce including 256 and permission.

(SECOND TERM)

256. **BUSINESS LAW** 3 7:00 Howard
A continuation of Business Law 255. See description under 255, first term. Prereq., 255.
381. **RESEARCH IN LAW** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce including 256 and permission.

CHEMISTRY

(FIRST TERM)

(FIRST TERM AND TEN-WEEK COURSES)

113. **ORGANIC CHEMISTRY (Ten-week course)** 4 8:40 MWF Sympton
A course in the fundamentals of organic chemistry, designed for pre-medical students and others not majoring in chemistry. Prereq., 4.
117. **ORGANIC CHEMISTRY LABORATORY (Ten-week course)** 2 1:40, 5:30 TTh Sympton
A laboratory course in organic preparations and reactions to accompany 113. Prereq., 113 or with 113 or 202 or with 202.
350. **CHEMICAL LITERATURE** 2 8:40 MWF McKay
Types of information in technical publications; exercises in finding, assembling, and using such data. Prereq., 24 hrs.; reading knowledge of German.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. The Staff
Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

(SECOND TERM)

439. **LESS FAMILIAR ELEMENTS** 3 8:40, 10:20 TTh Kline
Prereq., 333 or permission.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. The Staff
Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

CLASSICAL LANGUAGES

(LATIN)

(FIRST TERM ONLY)

340. **SPECIAL WORK IN LATIN** 1 to 3 8:40 Murphy
Study of literature, matters of language, or antiquities to meet individual needs. Prereq., 152.

DRAMATIC ART

(FIRST TERM)

347. **WORKSHOP IN SUMMER THEATRE** 2 to 8 Arr. Lane, Catalano
Practical experience in all phases of theatre through participation in the productions of the Ohio Valley Summer Theatre. Not open to graduate students. Maximum credit in course, 16 hrs. Prereq., permission.
447. **ADVANCED PROBLEMS IN DRAMATIC PRODUCTION** 3 to 6 8:40 MWF Lane, Catalano
Lectures, readings, reports, and discussions on problems of underlying philosophy, administrative structure, management, finance, and direction of theatre programs, with special reference to the summer theatre program which serves as a laboratory for observation and participation. Maximum credit in course, 6 hrs. Prereq., permission.
494. **RESEARCH** 1 to 6 Arr. The Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

See descriptions under respective numbers, first term.

347. **WORKSHOP IN SUMMER THEATRE** 2 to 8 Arr. Lane
447. **ADVANCED PROBLEMS IN DRAMATIC PRODUCTION** 3 to 6 Arr. Lane
494. **RESEARCH** 2 to 6 Arr. The Staff
495. **THESIS** 1 to 6 Arr. The Staff

ECONOMICS

(FIRST TERM)

101. **PRINCIPLES OF ECONOMICS** 3 7:00 Meiburg
The basic theory and economic analysis of prices, markets, production, wages, interest, rent, and profits. Prereq., not open to freshmen nor to those who have had 11 and 12.
309. **PUBLIC UTILITIES** 3 10:20 Meiburg
The economic basis of the public utility concept and its relations to business organization. The nature, scope, development, legal organization, and regulation of public utilities. Prereq., 12 or 102.
329. **COMPARATIVE ECONOMIC SYSTEMS** 3 8:40 Crewson
An analysis of the institutional framework of the following systems: modified capitalism, socialism, communism, and fascism. Special emphasis is given to the prevailing economic institutions in the United States, Great Britain, Russia, and Spain. Prereq., 12 or 102.
335. **LABOR ECONOMICS** 3 7:00 Crewson
Survey of the economic forces generating modern labor problems. Among the topics considered are: history of the labor movement, labor in politics, labor-management relations, wages, and full employment. Prereq., 12 or 102.
380. **STUDIES IN ECONOMICS** 1 to 3 Arr. The Staff
Directed readings and/or research in selected fields of economics. Topics selected by student with advice of staff member. Prereq., 12 hrs. and permission.
381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. The Staff
Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

102. **PRINCIPLES OF ECONOMICS** 3 7:00 Darnton
A continuation of Economics 101. See description under 101, first term. Prereq., 11 or 101. Not open to freshmen nor to those who have had 12.
315. **PUBLIC FINANCE** 3 8:40 Picard
Analysis of spending and taxing functions of federal, state, and local governments. The growing importance of fiscal policy in determining level of employment. The economic effects of the various taxes of federal, state, and local governments. Prereq., 12 or 102.
332. **MODERN ECONOMIC THOUGHT** 2 7:00 Picard
An analysis of the contributions to economics of the most significant writers since Alfred Marshall. Prereq., 12 or 102.
342. **INTERNATIONAL ECONOMICS** 3 10:20 Darnton
A study of the economic relations of nations of the world. Some of the topics considered are: the economic basis for international trade and investment; the mechanics of international exchange; tariffs, quotas, exchange control, cartels, and state trading as devices of economic nationalism; and international economic cooperation with special reference to organizations affiliated with the United Nations. Prereq., 12 or 102.

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|------|---|--------|------|-----------|
| 330. | STUDIES IN ECONOMICS
See description under 380, first term. | 1 to 3 | Arr. | The Staff |
| 381. | RESEARCH IN ECONOMICS
Prereq., 15 hrs. and permission. | 1 to 3 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

EDUCATION

(FIRST TERM)

ELEMENTARY EDUCATION

- | | | | | |
|-------|--|---|-----------|-------------|
| 100. | THE DEVELOPMENT OF KINDERGARTEN EDUCATION
The history, development, philosophy and current trends in Kindergarten Education. A study is made of the experiences appropriate to the age level based on the developmental approach to learning. Prereq., 103, Kindergarten-Primary majors or permission. Not open to freshmen. | 2 | 7, 8:00 | Starks |
| 101. | MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION
A study of work and play activities of early childhood, and the development, use and care of materials best suited to this age group. Prereq., 100, 103, and kindergarten majors or permission. | 2 | 1:40-2:40 | J. Wilson |
| 102. | LITERATURE FOR CHILDREN
Experiences with children, developing plans for organizing the literature program in the elementary school, and criteria for evaluating books written for children. | 3 | 10:20 | DeLand |
| 163. | TEACHING OF READING AND LANGUAGE
A practical course covering the language arts program in the elementary school. Methods and materials valuable in promoting child development in reading and the expressional phases of language are given major emphasis. | 3 | 1:40 | Otterman |
| 165. | TEACHING OF ARITHMETIC IN THE ELEMENTARY SCHOOL
Criteria for determining the arithmetic program; a grade-by-grade development of topics and of methods of presentation. | 3 | 7:00 | Benz |
| 211. | THE CHILD AND THE CURRICULUM
A study of the content of the elementary school curriculum. Emphasis is placed upon the service role of the curriculum to children and society. Prereq., senior rank, and 272. | 3 | 12:00 | Lackey |
| 222. | DIAGNOSTIC AND REMEDIAL INSTRUCTION IN ELEMENTARY SUBJECTS
A laboratory course in methods of diagnosis and remedial treatment in fundamental school subjects for problem cases. Students are given opportunity to observe and work with exceptional children. | 2 | 8:40-9:40 | DeLand |
| 411. | PROBLEMS IN THE ELEMENTARY CURRICULUM
A critical study of the basic issues and theories underlying curriculum development. Prereq., 359. | 3 | 8:40 | R. Milliken |
| 417b. | RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION—ARITHMETIC
Critical evaluation of the literature and recent research on objectives, content and methodology. History of instruction, current problems and issues, recent trends, and emphasis in teaching practices. Impact of dominant theories of learning and philosophies of education. Research design and methodology in scientific investigations. Prereq., permission. | 3 | 10:20 | Benz |

GENERAL

(FIRST TERM)

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|------|---|---|------|--------|
| 358. | WORKSHOP IN ECONOMIC EDUCATION (June 20 to July 9)
A study of basic economic concepts and practical economic problems with the view to their integration into the school curriculum. Prereq., permission. | 3 | Arr. | Forbes |
|------|---|---|------|--------|

359. **GENERAL CURRICULUM** 3 10:20 C. Roberts
A critical study of the public school curriculum including a review of curriculum theories, practices, and trends in grades kindergarten through twelve. Special emphasis is given to problems in curriculum development and organization. Prereq., 211 or 229 and permission.

428. **ADVANCED PRINCIPLES OF TEACHING** 3 12:00 C. Roberts
A critical appraisal of teaching in the light of available research on learning and teaching. Prereq., permission.

478. **SEMINAR IN EDUCATION** 2 1:40-2:40 Lynn
Advanced studies of special problems in elementary education, guidance, secondary education, and school administration. Prereq., permission.

GUIDANCE & COUNSELING

(FIRST TERM)

360. **GUIDANCE PRINCIPLES** 3 7:00 D. A. Green
The need for guidance in the schools, the nature of guidance, and the major guidance services. Prereq., 6 hrs. and Psych. 5.

361. **GUIDANCE PRACTICE** 2 12-1:00 D. A. Green
Directed practice in counseling and other guidance services. Prereq., 360 and permission.

362. **INFORMATION SERVICE IN GUIDANCE** 2 7-8:00 Heston
The collection, evaluation, and use of occupational, educational, and related information in the guidance program. Prereq., 360.

465. **GROUP GUIDANCE: MATERIALS AND PROCEDURES** 3 10:20 Heston
The theoretical bases for group work in guidance. Materials and teaching procedures for group work. Laboratory work in Guidance Laboratory and Materials Center. Prereq., 360, 362.

RESEARCH & SCIENTIFIC TECHNIQUES

(FIRST TERM)

484. **RESEARCH IN EDUCATION** 1 to 4 Arr. The Staff
Prereq., 9 hrs., Psych. 5, and permission.

488. **INTRODUCTION TO GRADUATE STUDY** 3 8:40 Lynn
Methods of research in education and the selection, planning, and evaluation of research problems. The history and purposes of graduate education. Required of all graduate students in education. Prereq., permission.

495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

SECONDARY

(FIRST TERM)

130. **SECONDARY EDUCATION** 3 1:40 K. Ray
A historical, comparative, and contemporary study of secondary education. Emphasis is placed on the interrelations of school and society; administrative considerations such as pupil personnel, and the control, support, and organization of schools; and the objectives of education, programs of study, and student activities. Prereq., Psych. 5 and sophomore standing.

229. **CURRICULUM AND TEACHING PRACTICES** 4 10:20 MTWThF, 12 TTh K. Ray
Topics which receive major consideration are curricular content and organization, principles of teaching-learning, techniques of classroom work, evaluation, and the respective roles of the teacher and the pupil. Prereq., 130.

SCHOOL ADMINISTRATION & SUPERVISION

(FIRST TERM)

410. **ADMINISTRATION OF THE ELEMENTARY SCHOOL** 3 8:40 Shuster
The responsibilities of both teachers and principal in democratic administration in such

areas as curriculum construction, supervision, plant management, and public relations. Practical problems used as a basis of study. Prereq., 6 hrs., including 440.

440. **GENERAL SCHOOL ADMINISTRATION** 3 7:00 S. Hicks
An introduction to educational administration, including the historical background, the administrative tasks and processes, the administrative relationships to people and to situations, and the competencies and qualifications required. Prereq., 6 hrs.
442. **SCHOOL FINANCE** 3 7:00 Chase
Local, state and federal finance, with problems in the financing of schools; business management in such areas as the school budget, financial reports, school purchasing, transportation, and insurance. Prereq., 6 hrs., including 440.
443. **SCHOOL BUILDING PLANNING** 3 10:20 Chase
The planning of new school buildings and sites, plant evaluation, rehabilitation, maintenance problems, and school equipment. Prereq., 440.
446. **SUPERVISION OF INSTRUCTION** 3 12:00 Shuster
The principles underlying democratic supervision and techniques which promote the growth of teachers in service. Laboratory experiences in analysis of teaching situations. Prereq., permission.
449. **ADVANCED THEORY AND PRACTICES OF SCHOOL ADMINISTRATION** 3 8:40 S. Hicks
Concepts and processes of administration; theory and organization of public education in the United States; the administrator and community relationships, the educational program, personnel, funds and facilities; professional orientation and counseling; legal aspects; communication skills. Prereq., 448 and 9 hrs. of school administration courses and permission.

HISTORY & PHILOSOPHY

(FIRST TERM)

351. **THE SCHOOL IN THE SOCIAL ORDER** 3 7:00 Shoemaker
Education in the United States from the colonial period to the present. The social, political, economic, religious, and philosophical foundations which have conditioned the evolution of the public schools. Prereq., 6 hrs., Psych. 5.
353. **THE EVOLUTION OF EDUCATIONAL THOUGHT** 3 10:20 Shoemaker
Deals solely with the educational writings of such theorists as Plato, Aristotle, Quintilian, Montaigne, Locke, Comenius, Rabelais, Rousseau, Pestalozzi, Froebel, Herbart, and Dewey. Prereq., 6 hrs., Psych. 5.

PROFESSIONAL LABORATORY EXPERIENCES

(FIRST TERM)

274. **STUDENT TEACHING FOR ADVANCED STUDENTS** 3 8:30-11:30 M. Olson
A seminar with observation, participation, and limited opportunities for teaching; open only to teachers with at least three years of teaching experience who desire to improve their teaching competence. Preference for placement is given to degree candidates. This course is offered only in the first session of each summer term. Prereq., permission.

ELEMENTARY

(SECOND TERM)

103. **STUDIES OF CHILDREN** 3 1:40 The Staff
Bases for a developmental theory of education; growth sequences through adolescence; principles of development, behavior, and learning; techniques of child-study; systematic observation in the University Elementary School; implications for educational practice.
169. **TEACHING SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL** 3 8:40 The Staff
Materials and methods used in teaching the content subjects in the elementary schools, with special emphasis upon unit teaching, social studies skills, and practical experiences in the teaching of science.
211. **THE CHILD AND THE CURRICULUM** 3 10:20 The Staff
See description under 211, first term.

303. **ADVANCED STUDIES OF CHILDREN** 3 12:00 The Staff
An intensive study of certain basic research in child development and its implications for education. Prereq., 15 hrs. education or psychology, or permission.

GENERAL
(SECOND TERM)

416. **READINGS AND RESEARCH IN HUMAN DEVELOPMENT** 3 8:40 Fuller
Interpretation of the scientific literature on human development as related to classroom experience in kindergarten through twelfth grade. Independent projects delineating the developmental bases for understanding and solving selected educational problems. Lectures, discussions, reports, special observations. Prereq., 303 or permission.
428. **ADVANCED PRINCIPLES OF TEACHING** 3 8:40 C. Roberts
See description under 428, first term.
478. **SEMINAR IN EDUCATION** 2 1:40-2:40 Shuster
See description under 478, first term.

GUIDANCE AND COUNSELING
(SECOND TERM)

360. **GUIDANCE PRINCIPLES** 3 7:00 Schmeding
See description under 360, first term.
361. **GUIDANCE PRACTICE** 2 12-1:00 D. A. Green
See description under 361, first term.
364. **COUNSELING IN SCHOOLS** 3 8:40 D. A. Green
Basic principles of counseling in an educational context. Development of sound procedural bases for counseling and educationally-oriented counseling theory. The ethics of counseling. Prereq., 360 and permission.

RESEARCH AND SCIENTIFIC TECHNIQUES
(SECOND TERM)

381. **EDUCATIONAL STATISTICS** 3 7:00 Sligo
The tabulation and graphical representation of frequency tables, measures of central tendency, percentiles and percentile curves, measures of variability, probability and the normal curve, and correlation. Prereq., 6 hrs. ed. and Psych. 5.
385. **EDUCATIONAL MEASUREMENTS** 3 12:00 Sligo
The improvement of the essay examination; criteria for evaluating tests; teacher-made objective tests; standardized tests; elementary statistical procedures. Prereq., 6 hrs. ed. and Psych. 5.
484. **RESEARCH IN EDUCATION** 1 to 4 Arr. The Staff
Prereq., 9 hrs., Psych. 5, and permission.
488. **INTRODUCTION TO GRADUATE STUDY** 3 10:20 Fuller
See description under 488, first term.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

SECONDARY
(SECOND TERM)

130. **SECONDARY EDUCATION** 3 7:00 K. Ray
See description under 130, first term.
229. **CURRICULUM AND TEACHING PRACTICES** 4 10:20 MTWThF, 12 TTh K. Ray
See description under 229, first term.
432. **THE HIGH SCHOOL CURRICULUM** 3 10:20 C. Roberts
The high school program of studies, contributions of various subjects, theories of curriculum construction, curriculum research, and desirable steps in the reorganization of the high school curriculum. Prereq., 359.

SCHOOL ADMINISTRATION & SUPERVISION

(SECOND TERM)

430. **HIGH SCHOOL ADMINISTRATION** 3 7:00 Lynn
The program of studies, the program for health, vocational education, guidance, extra-curricular activities, provisions for individual differences, the selection and assignment of teachers, and the school schedule. Prereq., 6 hrs., including 440.
440. **GENERAL SCHOOL ADMINISTRATION** 3 8:40 The Staff
See description under 440, first term.
441. **STATE, NATIONAL AND INTERNATIONAL SCHOOL ADMINISTRATION** 3 1:40 The Staff
Emphasis on state, national and international school administration, including the state program of education, state responsibility, educational organization, certification and tenure, national educational services, federal relations to education, national problems in education, and international relations to education. Prereq., 440.
443. **SCHOOL LAW** 3 7:00 Bean
The constitutional basis for education, schools and their legal setting, school legislation and court decisions, with special reference to Ohio school law. Prereq., 440.
446. **SUPERVISION OF INSTRUCTION** 3 7:00 Shuster
See description under 446, first term.

ENGINEERING

CIVIL ENGINEERING

(FIRST TERM)

120. **APPLIED MECHANICS** 3 12:00 The Staff
Laws of equilibrium of forces; friction; centroids and moment of inertia. Prereq., Math. 101 or with 101.

(SECOND TERM)

222. **STRENGTH OF MATERIALS** 3 1:40 The Staff
Elementary stresses and strains, torsion, flexure including elastic curve equations, columns, combined stresses, stresses due to impact. Prereq., 120, Math. 102 or with 102.
223. **MATERIALS TESTING LABORATORY** 1 8:40, 10:20 MTh The Staff
A series of experiments on the tensils, compressive, and shearing strength of the principal engineering materials. 2 hrs. lab. Prereq., with 222.

ELECTRICAL ENGINEERING

(FIRST TERM)

104. **BASIC ELECTRICAL ENGINEERING (Ten-week course)** 5 7-8 MWThF Hoffee
Lab. 7:00 or 8:40 T Computer Sec. 8:40 WF
Basic concepts of A.C. currents, voltage power, inductance and capacitance. Single-phase circuit analysis, complex operators, vector diagrams. Instruments and measurements. Oscilloscope, oscillograph and frequency measurements. D.C. time constants. Elements of polyphase circuits. Prereq., 103 and with Phys. 114.
202. **ELECTRICAL MACHINERY** 3 7:00-8:00 Horvath
Direct and alternating current machinery. Not open to Electrical Engineering majors. Lab. 6 hrs. arranged. Prereq., 201.
307. **ENGINEERING ELECTRONICS** 3 7:00-8:00 G. Smith
Lab. 6 hrs. arranged
A comprehensive theoretical and practical treatment of the fundamentals of electronics and the general properties of electron tubes with application to engineering. Prereq., 104, Math. 102.

(SECOND TERM)

308. **ENGINEERING ELECTRONICS** 3 7:00-8:00 G. Smith
A continuation of 307. See description under 307, first term.

ENGINEERING GRAPHICS (FIRST TERM ONLY)

1. **ENGINEERING DRAWING** 2 8:40 Nellis
Lab. 1:40, 4:00 MW
Freehand lettering, use of instruments, geometric constructions, freehand drafting, orthographic projection, auxiliary and sectional views, dimensioning, Isometric, oblique, detail and assembly drawing. Intersections, developments, tracings and blue prints. Working drawings made from actual machine parts are dimensioned in the accepted American Standard methods.

3. **THE SLIDE RULE** 1 1:40-3 TTh Nellis
Prereq., Math. 15.

21. **DESCRIPTIVE GEOMETRY** 2 10:20 Nellis
Lab. 1:40-4:00 W
Problems relating to points, lines, planes, solids and their projections, space visualization, curved surfaces, intersection of planes and solids, model making, practical applications. Daily exercise sheets. Prereq., 1.

ENGLISH (FIRST TERM)

1. **REMEDIAL ENGLISH (2 sections)** 3 7:00 Nault
12:00 Stone
The fundamentals of composition. Minimum grade of C required to advance to 3. Credit and points not counted toward a degree.
3. **ENGLISH COMPOSITION (2 sections)** 3 7:00 Marks
12:00 Knecht
A progression from simple expository paragraphs to criticism of literary models. A plete the six hours required by registering for Eng. 3.
transfer student who has completed only three hours of English composition, will com-
101. **SOPHOMORE ENGLISH LITERATURE** 3 10:20 Foster
From the middle ages through the seventeenth century. Emphasis on Chaucer, Shakespeare, and Milton. Prereq., 4.
102. **SOPHOMORE ENGLISH LITERATURE** 3 10:20 Swardson
From the eighteenth century to the present. Prereq., 4.
111. **CHIEF AMERICAN WRITERS** 3 8:40 Kirchner
Franklin, Emerson, Thoreau, Melville, Hawthorne, Poe, Whitman, Dickinson, and others. Prereq. 4.
112. **CHIEF AMERICAN WRITERS** 3 10:20 Holmes
Twain, James, Crane, O'Neill, Eliot, Hemingway, Faulkner, Miller, and others. Prereq., 4.
281. **THE EUROPEAN NOVEL** 3 8:40 Stone
Russian, French, German, and Scandinavian novels of the nineteenth and early twentieth centuries in translation. Prereq., 4.
293. **ADVANCED COMPOSITION** 3 8:40 Knecht
The rhetorical and grammatical principles of composition; practical work in a variety of writing problems. Prereq., 4.
323. **SHAKESPEARE** 3 8:40 Foster
The comedies and historical plays. Prereq., 12 hours.
351. **POETRY OF THE ROMANTIC PERIOD** 3 10:20 Whan
The philosophical background; Wordsworth, Coleridge, Byron, Shelley, Keats. Prereq., 12 hrs.
390. **STUDIES IN ENGLISH** 1 to 3 Arr. The Staff
Directed individual reading and research. (See also the Honors Program.) Maximum credit, 6 hrs. Prereq., 12 hrs., permission of chairman.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

1. **REMEDIAL ENGLISH** 3 7:00 J. Hill
See description under 1, first term.
3. **ENGLISH COMPOSITION** 3 7:00 L. Brown
See description under 3, first term.
4. **ENGLISH COMPOSITION (2 sections)** 3 7:00 Purdum
12:00 L. Brown
A continuation of 3. Prereq. 3.
112. **CHIEF AMERICAN WRITERS (2 sections)** 3 8:40 Wells
10:20 McDonnell
See description under 112, first term.
266. **THE SHORT STORY** 3 8:40 Morris
Origin and development as a literary form; early masters such as Poe and DeMaupassant, and modern classics. Prereq., 4.
362. **TWENTIETH CENTURY DRAMA** 3 10:20 Summers
Shaw, O'Neill, Anderson, Williams, O'Casey, and others. Prereq., 12 hrs.
390. **STUDIES IN ENGLISH** 1 to 3 Arr. The Staff
See description under 390, first term.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

FRENCH—See Modern Languages

GENERAL STUDIES

(FIRST TERM)

1. **Biology—THE LIVING WORLD** 3 12, 1:40 MTWTh H. Vallowe
The fundamental similarities and differences among plants and animals; their protoplasm, cells, tissues, and organs; and their physiological processes. No credit allowed for students who have already completed Bot. 3-4 or Zool., 3-4 Not open to juniors or seniors.
4. **Physical Science—THE PHYSICAL WORLD** 3 12:00 MTWThF T. Smith
1:40-3:40 MWF
A general physical science course designed for non-science majors. Includes chemistry and physics. Does not fulfill physics requirements for science majors. Not open to juniors and seniors.

(SECOND TERM)

2. **Biology—THE LIVING WORLD** 3 12, 1:40 MTWTh Stehr
A survey of the principal plant and animal groups, emphasizing comparative structure, life histories, and classification. Basic principles of heredity, evolution, and ecology are introduced. Designed primarily for non-science majors. No credit allowed for students who have already completed Botany 3-4 or Zoology 3-4. Prereq., 1. Not open to juniors or seniors.

GEOGRAPHY AND GEOLOGY

(FIRST TERM)

GEOGRAPHY

232. **CONSERVATION OF THE NATURAL RESOURCES** 3 8:40 Aukland
Problems in the conservation of soils, water, minerals, forests, and wild life as related to land use. The interrelations of these various factors and their educational significance are emphasized. Field trips.

GEOLOGY

1028. COMMON MINERALS, ROCKS, AND FOSSILS

3 10:20 MTWThF Aukland

Plus 90 minute period arranged.

Introduction to study and identification of common minerals and rocks and common groups of fossils, including assembly of a basic collection useful to teachers. Not open to students who have had Geology 1, 2, 101, or 103. Field trips.

383. GEOLOGIC STUDIES

1 to 4 Arr. The Staff

Supervised studies in fundamentals of geologic research. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

1. Glacial Geology and Physiography.
2. Mineralogy, Petrology, or Economic Geology.
3. Paleontology.
4. Sedimentation and Stratigraphy.
5. Structural Geology.

(SECOND TERM)

GEOGRAPHY

150. GEOGRAPHY AND ENVIRONMENT

3 8:40 Korsok

Survey of man's response and adjustment to the varied natural environment throughout the world, employing the concepts of human geography. Not open to students who had had Geography 3 or 4.

202. GEOGRAPHY OF THE UNITED STATES AND CANADA

3 10:20 Korsok

Systematic and regional study of the U.S. and Canada: the physical environment, natural resources, agriculture, and cultural development.

382. GEOGRAPHICAL STUDIES

1 to 4 Arr. The Staff

Supervised studies in fundamentals of geographic research. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

1. Cartography.
2. Conservation of Natural Resources.
3. Economic Geography.
4. Meteorology and Climatology.
5. Physiography.
6. Political Geography.
7. Regional Geography.

See Ed. 388. **CONSERVATION EDUCATION WORKSHOP** at Camp Muskingum, Leesville Lake, June 20-July 23. For details contact Department of Geography and Geology, Ohio University, Athens, Ohio.

GERMAN—See Modern Languages

GOVERNMENT

(FIRST TERM)

1. AMERICAN GOVERNMENT

3 10:20 Fairfield

Political and constitutional development, the organization and functioning of the national government. Not open to juniors and seniors.

106. CURRENT POLITICAL AND SOCIAL PROBLEMS

2 8:40-9:40 Fairfield

Analysis of issues pertaining to American labor, agriculture, foreign policy, and civil liberties and their governmental implications.

398. PROBLEMS IN GOVERNMENT

1 to 3 Arr. Fairfield

Research or directed reading based upon the student's special interest. Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.

401. RESEARCH IN GOVERNMENT

1 to 3 Arr. Fairfield

Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.

495. THESIS

1 to 6 Arr. Fairfield

Prereq., permission.

(SECOND TERM)

101. **COMPARATIVE GOVERNMENT** 3 10:20 Bald
A comparison of the American, European, and Oriental systems of government, including organization, procedure, popular representation, and the effect upon the social and economic life of the people.
216. **INTERNATIONAL RELATIONS** 3 8:40 Bald
Basic factors involved in world politics, including the modern state system, nationalism, militarism; the evolution of international relations, forces and conditions affecting international relations, and the formulation of national foreign policies. Prereq., 6 hrs. govt. or hist.
398. **PROBLEMS IN GOVERNMENT** 1 to 3 Arr. Bald
See description under 398, first term.
401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. Bald
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Bald
Prereq., permission.

HISTORY

(FIRST TERM)

1. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 Cady
The course covers the period from 1450 to 1815 and stresses the Renaissance, the Protestant Reformation, the agricultural and commercial revolutions, European expansion, the French Revolution and Napoleonic era. Not open to juniors and seniors.
101. **HISTORY OF THE UNITED STATES** 3 8:40 R. Thompson
A survey course covering the political, diplomatic, social and economic developments in American History to 1865.
324. **HISTORY OF AMERICAN DIPLOMACY** 3 12:00 R. Thompson
Emphasizes U.S. relations with Latin America, the Far East, and Europe to World War II. Prereq., 6 hrs.
352. **INDIA AND SOUTHEAST ASIA IN MODERN TIMES** 3 7:00 Cady
Hinduization of S.E. Asia; impact of European colonialism; problems of newly independent states. Prereq., 6 hrs.
392. **PROBLEMS IN HISTORY** 2 or 3 Arr. The Staff
Intensive individual work either in research or in systematic reading along the lines of the student's special interest under the supervision of a member of the staff. Prereq., 15 hrs. and permission. Maximum credit in course, 6 hrs.
495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

(SECOND TERM)

2. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 Mayes
Places emphasis on the industrial revolution, the unification of Italy and Germany, modern imperialism in Africa and Asia, rise of Japan, the United States as a world power, World War I, the rise of totalitarian states, World War II, and efforts toward World organization. Not open to juniors and seniors.
102. **HISTORY OF THE UNITED STATES** 3 8:40 Lobdell
A survey course covering the political, diplomatic, social, and economic development of American history since 1865.
322. **THE UNITED STATES IN RECENT TIMES—SINCE 1928** 3 12:00 Lobdell
The Depression, the New Deal, World War II and post-war problems. Prereq., 6 hrs., including 102.
363. **TUDOR AND STUART ENGLAND** 3 8:40 Mayes
Tudor absolutism; the English Reformation, Parliament vs. Crown; empire beginnings; cultural development. Prereq., 6 hrs., including 1 or 125.

392. **PROBLEMS IN HISTORY** 2 or 3 Arr. The Staff
See description under 392, first term.

495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

HOME ECONOMICS

(FIRST TERM)

327. ***QUANTITY COOKERY** 2 or 3 7, 10:10 MWF Macauley
8:40, 10:10 TTh

Preparation and serving of foods in large quantities. Use of modern equipment. Laboratory practice in the cafeteria and residence halls of Ohio University. Prereq., 2.

328. ***RECENT DEVELOPMENTS IN FOODS AND NUTRITION** 2 or 3 10:20 V. Roberts

Reports, discussions, and reviews of scientific literature. Some laboratory projects may be included. Prereq., 2, 125, or equivalent.

334. **HOUSEHOLD EQUIPMENT** 3 1-4 MWF Macauley
1-2:30 TTh

A critical analysis of the use of equipment to establish standards for effective use. 1 lec., 4 lab. Prereq., 2, 108.

360j. *****NEW DIRECTIONS IN HOME ECONOMICS EDUCATION** 3 8:40-12 Sellers
New directions in teaching home economics at the secondary level. Emphasis will be placed on the application of recent trends and curriculum developments in the various areas of home economics. Prereq., 367, or 268, or teaching experience in home economics.

367. ****VOCATIONAL HOME ECONOMICS** 2 8:40-12 Sellers

History and philosophy of vocational homemaking education. Contemporary trends, methods, sources of materials, and evaluation. Observations arranged. Prereq., 268 or teaching experience in home economics.

381. **RESEARCH IN HOME ECONOMICS** 2 or 3 Arr. The Staff

A project course in which the student carries on independent investigations under the guidance of the instructor. Maximum credit in course, 6 hrs. Prereq., 20 hrs., and permission.

390b. **FIELD WORK IN HOME ECONOMICS—HOME SERVICE WORK WITH PUBLIC UTILITIES** 3 or 4 Arr. V. Roberts

Through cooperation with business organizations, department stores, radio-TV stations, and the Home Economics Extension Department, opportunities are given for on-the-job training and practical experience. The faculty advisor serves as coordinator of the work established with these outside agencies. Prereq., 18 hrs., permission, and senior rank.

390d. **FIELD WORK IN HOME ECONOMICS—RETAIL MERCHANDISING** 3 or 4 Arr. V. Roberts

See description under 390b.

391. **SEMINAR IN HOME ECONOMICS** 1 2:30-4 TTh V. Roberts

Prereq., 18 hrs., permission.

495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

* Students needing 2 hours credit register for first 3 weeks.

** Offered June 13 to June 24

*** Offered June 27 to July 15

(SECOND TERM)

390b. **FIELD WORK IN HOME ECONOMICS—HOME SERVICE WORK WITH PUBLIC UTILITIES** 3 or 4 Arr. V. Roberts

See description under 390b, first term.

390d. **FIELD WORK IN HOME ECONOMICS—RETAIL MERCHANDISING** 3 or 4 Arr. V. Roberts

See description under 390d, first term.

HUMAN RELATIONS

(FIRST TERM ONLY)

- | | | | | |
|------|---|--------|------|-----------|
| 325. | FIELD WORK OR RESEARCH
An opportunity for individual work in a specialized area of human relations; field work in human relations; or supervised work for a specified time in the offices of admissions, Registrar, O.U. Center, housing, and University College; or research under the direction of the staff. Maximum credit in course, 5 hrs. Prereq., 303 and permission. | 1 to 3 | Arr. | B. Black |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

INDUSTRIAL ARTS

(FIRST TERM)

- | | | | | |
|------|--|---|-------------------------------|------------|
| 2. | GENERAL WOODWORKING
A required beginning course for prospective teachers. Open to other students on an elective basis. Machine woodworking. Prereq., 1. | 3 | 1:40, 3:20 MTTh
3:20 WF | Paige |
| 3. | WOODWORKING INDUSTRY
A beginning course for technical students. | 3 | 1:40, 3:20 MTTh
1:40 WF | Paige |
| 5. | DRIVER EDUCATION
A course for novice drivers. Credit and points not counted toward degree. Fee \$15. | 1 | 12-1:00 TTh
3 per. arr. | Weber |
| 104. | FURNITURE UPHOLSTERY
Construction and repair of upholstered furniture. | 2 | 1:40, 3:20 MTTh | Paige |
| 109. | CABINET MAKING
Individually designed project construction. Prereq., 2. | 2 | 1:40, 3:20 MTTh | Paige |
| 133. | PRACTICAL ELECTRICITY
Study of electrical sources, principles, and measurements. Separate sections are offered for education and technology majors. | 3 | 7, 8:40 MWF
7 TTh | Armbruster |
| 141. | GRAPHIC ARTS
A course to meet requirements in graphic arts for potential teachers. Letterpress, block printing, intaglio, and common duplicating techniques. | 3 | 7, 8:40 MWF
8:40 TTh | Weber |
| 144. | GRAPHIC ARTS PROCESSES
A course for technology students. Study involves a variety of processes and materials used in the printing industry. | 3 | 7, 8:40 MWF
7 TTh | Weber |
| 147. | ADVANCED GRAPHIC ARTS
Problems in letter press and offset printing. Emphasis on layout and design. Prereq., 141, 142; or 144 and permission. | 2 | 7, 8:40 MWF | Weber |
| 199. | ADMINISTRATION OF DRIVER EDUCATION
A basic course for prospective teachers of this subject. Enrollment should be deferred until personal driving skill is developed. Prereq., Psych. 5. | 3 | 12-1:00
2 per. arr. | Weber |
| 203. | INDUSTRIAL ELECTRONICS
Theory and practice in the use and care of electronic apparatus employed for communication and production control in industry. Prereq., 133. | 3 | 7, 8:40 MWF
8:40 TTh | Armbruster |
| 302. | DEVELOPMENT OF TEACHING AIDS FOR INDUSTRIAL EDUCATION
Construction of aids based upon analysis of teaching situations. Term paper required for graduate credit. Prereq., teaching experience or concurrently with practice teaching. | 2 | 8:40, 10:20
June 20-July 1 | Paige |

326. HISTORY OF INDUSTRIAL AND VOCATIONAL ARTS

2 8:40, 10:20 July 5-15 Hippaka

150a. **ADVANCED WORK IN WOOD** 2 1:40, 3:20 MTTh Paige
Advanced laboratory work in the wood area, along with a study of the industrial practices in the field of wood. Prereq., 1, 2.

150c. **ADVANCED WORK IN PRINTING** 2 7, 8:40 MWF Weber
Advanced laboratory work in the graphic arts, along with a study of the industrial practices in the field of printing. Prereq., 141, 142.

150d. **ADVANCED WORK IN POWER** 2 7, 8:40 MWF Armbruster
Advanced laboratory work in electricity, along with the study of the industrial practices in the field of electricity. Prereq., 133, 134.

195. **THESIS** 1 to 6 Arr. Paige
Prereq., permission.

(SECOND TERM)

9. **CRAFT AND HOBBY WORK** 2 1:40-3:40 Hawlk
A beginning course in leather, art metal, enameling, reed, and plastics. Open to any student in the university.

106. **ADVANCED WORK IN CRAFTS** 2 1:40-3:40 Hawlk
Practice in original design and skill development in some craft area. Prereq., 9 or permission.

131. **CERAMICS** 2 7, 8:40 MWF Hawlk
Practice in common forming, firing, and glazing techniques employed in the ceramic industry.

457. **CURRICULUM BUILDING IN INDUSTRIAL ARTS** 3 10:20 Hawlk
Prereq. 16 hrs.

JOURNALISM**(FIRST TERM)**

107. **NEWSPAPER REPORTING** 3 10:20 Baird
Instruction in methods of gathering material and writing news reports, interviews, reports of speeches, follow-up and re-writes, human interest stories, and specialized news. Practice work covering assignments and preparing copy. Prereq., Eng. 4, and Sec. St. 15 or the ability to operate a typewriter efficiently.

111. **REPORTING PRACTICE** 1 to 6 Arr. Reamer
Students are assigned to general reporting on THE ATHENS MESSENGER, which includes the covering of definite news beats as well as special assignments. Prereq., 107 and permission.

221. **EDITING PRACTICE** 1 to 6 Arr. Gilbert
Students are assigned to copyreading on THE ATHENS MESSENGER, handling local correspondence, and wire copy, and working out make-up problems. Prereq., 217 or permission.

277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 6 Arr. Nichols
Laboratory work in preparing copy for local display advertisers of THE ATHENS MESSENGER. Other practice problems in the fields of classified, national, and promotion advertising. Prereq., 247.

327. **PUBLIC RELATIONS TECHNIQUES** 3 10:20 Hortin
Study and practice of fundamental public relations functions. Emphasis is placed on polling, publicity writing, and preparation of literature of business organizations—house organs, reports, pamphlets, advertisements, leaflets, manuals, and letters. Prereq., 107, 146, and junior rank, or permission.

378. **SUPERVISING SCHOOL AND COLLEGE PUBLICATIONS** 3 8:40 Baxter
A conference course for advisers of high school and college newspapers, magazines, and yearbooks. Problems relating to staff selection, content of publications, copy, layout.

(SECOND TERM)

111. **REPORTING PRACTICE** 1 to 6 Arr. Reamer
See description under 111, first term.
221. **EDITING PRACTICE** 1 to 6 Arr. Gilbert
See description under 221, first term.
277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 6 Arr. Nichols
See description under 277, first term.
322. **FEATURE AND MAGAZINE WRITING** 3 8:40 Gentry
A study of newspaper, magazine, and pictorial features, followed by practice in writing and marketing of various types. The course includes finding subjects, securing photographs, writing articles, and surveying markets. Prereq., 107, or 12 hrs. English, or permission.
375. **SPECIALIZED JOURNALISM** 3 10:20 J. Hart
A course designed for students desiring training in special fields—science, sports, society, politics, military, home economics, agriculture, religious activities, teaching journalism, music, and other approved areas. Prereq., junior rank or above and permission.
381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. The Staff
Prereq., 18 hrs. in journalism and advertising, and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

LATIN—See Classical Languages

LIBRARY SCIENCE

(SECOND TERM ONLY)

photography, printing, advertising, business phases. In summer sessions the Publications Workshop will be analyzed on a case study basis. Prereq., 12 hrs. or permission.

381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. The Staff
Prereq., 18 hrs. in journalism and advertising, and permission.
191. **THE USE OF LIBRARY RESOURCES** 3 10:20 Wright
An introduction to practical training in the effective use of modern library resources, especially reference materials. Open to all students in any year. Required for a minor in library science.
202. **BOOKS FOR HIGH SCHOOL READERS** 3 7:00 Linnenbruegge
A study of library service for young people. An introduction to books and book services for the high school age group.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

MANAGEMENT

(FIRST TERM ONLY)

211. **INDUSTRIAL MANAGEMENT** 3 7:00 D. Bolon
An examination of the basic fundamentals of management underlying the solution of problems of organization and operation in all business enterprise, followed by their application to such specific fields of industrial management as materials, personnel, production, budgets, labor relations, etc. Prereq., Ec. 12 or 102, junior rank, or permission.
312. **ADMINISTRATION OF PERSONNEL** 3 10:20 D. Bolon
A comprehensive survey in the principles of management of people in business organizations and institutions. Among the subjects treated are employee selection, training, and rating; labor turnover; job analysis; wage and salary administration. Prereq., 211, or permission.
381. **RESEARCH IN MANAGEMENT** 1 to 3 Arr. The Staff
Prereq., 16 hrs. economics and/or commerce including Mgt. 301 or 312 and permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

MARKETING (FIRST TERM ONLY)

155. **MARKETING PRINCIPLES** 3 10:20 Richmond
The principles, methods, and policies of marketing consumers' goods and industrial goods. Prereq., Ec. 12 or 102.
381. **RESEARCH IN MARKETING** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce, including 5 hrs. marketing, permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

MATHEMATICS (FIRST TERM AND TEN-WEEK COURSES)

1. **ELEMENTARY ALGEBRA** 3 1:40 Golos
A course for students with no high school algebra. Credit and points not counted toward degree.
2. **EUCLIDEAN GEOMETRY** 3 1:40 Marquis
A course for students with no high school geometry. Prereq., 1, or 1 year high school algebra. Credit and points not counted toward degree.
3. **INTERMEDIATE ALGEBRA** 3 12:00 Spring
Review of high school algebra; topics from college algebra. Prereq., 2, or 1 year each in algebra and geometry in high school.
16. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week Course)**
5 12:00 MTThF Golos, Butner
Topics in analytic geometry, functions and limits, differentiation and integration of algebraic forms, application of derivatives, and integration as a summation process. Prereq., 14 or 15, or qualification by examination.
101. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week Course)**
4 8:40 MTThF Goedieck
Conics, differentiation and integration of transcendental functions, polar coordinates, parametric equations, curvature, integration, and indeterminate forms. Prereq., 16.
102. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week Course)**
4 10:20 MTThF Marquis
Solid analytic geometry, series, expansion of functions, partial derivatives, multiple integrals, and elementary differential equations. Prereq., 101.
307. **ORIGINS AND DEVELOPMENT OF ELEMENTARY MATHEMATICS**
3 8:40 Spring
A study of the historical development of mathematics from an unorganized body of empirical results to a deductive discipline, with emphasis upon the increasing rigor in the methods and increasing power and generality in the results. Selected modern topics are considered in connection with related ones in elementary mathematics. Prereq., 102, or with 102.
315. **ADVANCED APPLIED MATHEMATICS** 3 10:20 Goedieck
An introductory treatment of elementary and series solution of differential equation, Fourier series, Laplace transforms, vector algebra, and matrices. Prereq., 102.
361. **STUDIES IN MATHEMATICS** 1 to 6 Arr. The Staff
Selected topics in mathematics are studied under the guidance of an instructor particularly interested in the field. Maximum credit in course, 6 hours. Prereq., 18 hrs., permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.



(SECOND TERM)

2. EUCLIDEAN GEOMETRY (two sections)	3	8:10 1:10	Butner Mack
See description under 2, first term.			
14. TRIGONOMETRY	3	12:00	S. Lin
Prereq., 9 or concurrent enrollment in 9, or 3 with "C" or better.			
34. MATHEMATICS OF FINANCE	3	1:10	Diekhans
A study of interest, annuities, sinking funds, valuation of bonds, capitalized cost, life insurance, and life annuities. Prereq., 3.			
316. ADVANCED APPLIED MATHEMATICS	3	10:20	Diekhans
Vector calculus, partial differential equations and boundary value problems, and complex variables. Prereq., 315.			
361. STUDIES IN MATHEMATICS	1 to 6	Arr.	The Staff
See description under 361, first term.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission			

MODERN LANGUAGES

GERMAN

(FIRST TERM)

1. BEGINNING GERMAN	4	8:40 MTWThF 1:40 TTh	Krauss
Instruction in the fundamental grammatical principles, drill in pronunciation, conversation, and the reading of prose.			
371. ADVANCED GERMAN	1	Arr.	Krauss
Reading and research in German language and literature for advanced students. Maximum credit in course, 8 hrs. Prereq., 6 hrs. beyond 102.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission.			

(SECOND TERM)

2. BEGINNING GERMAN	4	8:40 MTWThF 1:40 TTh	Fugate
A continuation of 1. See description under 1, first term. Prereq., 1.			
372. ADVANCED GERMAN	1	Arr.	Fugate
See description under 371, first term.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission.			

ROMANCE LANGUAGES

(FIRST TERM)

FRENCH

1. BEGINNING FRENCH	4	8:40 MTWThF 1:40 TTh	J. Rice
381. RESEARCH IN FRENCH LANGUAGE AND LITERATURE	1 or 2	Arr.	J. Rice
Prereq., 12 hrs. beyond 102 and permission. Maximum credit in course, 6 hrs.			
495. THESIS	1 to 6	Arr.	J. Rice
Prereq., permission.			

SPANISH

1. BEGINNING SPANISH	4	8:40 MTWThF 1:40 TTh	Ondis
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381. RESEARCH IN SPANISH LANGUAGE AND LITERATURE

1 or 2 Arr. Ondis

Prereq., 12 hrs. beyond 102 and permission. Maximum credit in course, 6 hrs.

495. THESIS

1 to 6 Arr. Ondis

Prereq., permission.

(SECOND TERM)

FRENCH

2. BEGINNING FRENCH

4 8:40 MTWThF Kadlec

1:40 TTh

Prereq., 1.

381. RESEARCH IN FRENCH LANGUAGE AND LITERATURE

1 or 2 Arr. Kadlec

See description under 381, first term.

495. THESIS

1 to 6 Arr. Kadlec

Prereq., permission.

SPANISH

2. BEGINNING SPANISH

4 8:40 MTWThF Andrade

1:40 TTh

Prereq., 1.

381. RESEARCH IN SPANISH LANGUAGE AND LITERATURE

1 or 2 Arr. Andrade

See description under 381, first term.

495. THESIS

1 to 6 Arr. Andrade

Prereq., permission.

MUSIC

(FIRST TERM)

72. MUSIC FUNDAMENTALS

2 8:40-9:40 Sears

A course for elementary teachers only, involving theory, ear training, tone production, and sight singing of unison and part songs.

313. ORCHESTRATION

2 Arr. Ahrendt

Scoring for small, medium, and full orchestra. Prereq., 104, 106.

319. COMPOSITION

2 Arr. Ahrendt

Original writing in the smaller forms. Prereq., 104, 106.

338. THE LITERATURE OF ORCHESTRA MUSIC

2 7-8:00 Ingerham

Orchestral literature from the classic through the contemporary. Prereq., F.A. 124.

374. FOUNDATIONS OF MUSIC

3 Arr. Sears

A lecture-laboratory course applying pertinent findings from the field of physics, acoustics, electronics, physiology, psychology, and sociology to music education and music therapy, 2 lec., 3 lab. and research problem. Prereq., 6 hrs. psychology, general biology, introductory physics, permission.

376a. MUSIC-CLINIC WORKSHOP (June 13 to 25)

2 Arr. The Staff

Prereq., Sr. or Grad. majors.

384. RESEARCH IN MUSIC

1 or 2 Arr. Sears

Prereq., 30 hrs. or the equivalent, permission.

401. MUSIC LITERATURE

3 1:40 Gates

Prereq., F.A. 124, permission.

403. SEMINAR IN MUSIC

1 8:00 p.m. MTh Gates

Reports on research by students or faculty, for discussion. Required of all graduate students enrolled in School of Music. Maximum credit in course, 2 hrs. Prereq., permission.

472. **PROBLEMS IN THE SUPERVISION OF INSTRUMENTAL MUSIC** 3 10:20 Minelli
Prereq., 261, 263, 2 hrs. observation, and 4 hrs. student teaching.

495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwinds, brass, percussion). \$20 a semester hour. Prereq. in each area is permission.

PIANO ½ or 1 Arr. Longstreet

STRINGED INSTRUMENTS: Violin, Viola, Violoncello, Bass
½ or 1 Arr. Ingerham

WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon
½ or 1 Arr. Minelli

BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba
½ or 1 Arr. Minelli

PERCUSSION INSTRUMENTS ½ or 1 Arr. Minelli

UNIVERSITY BANDS ½ 7 p.m. TTh Minelli
Open to men and women students.

273. **CONDUCTING** 2 1:40-2:40 Ingerham
Fundamentals of conducting, accompanied by individual practice in conducting. For music majors only; open to others by permission. Prereq., 104, 106.

375. **ADVANCED CONDUCTING** 2 Arr. Ingerham
An opportunity for study and practical experience in either choral or instrumental conducting. Maximum credit in course, 6 hrs. Prereq., 273, permission.

433. **PIANO** 1 Arr. Longstreet

437. **STRINGED INSTRUMENTS** 1 Arr. Ingerham

(SECOND TERM)

233. **INSTRUMENTATION** 3 10:20 Brophy
The various orchestral instruments from the standpoint of their range and orchestral uses. Arranging for small ensembles. Prereq., 106.

262. **MUSIC FOR THE CLASSROOM TEACHER** 2 10:20-11:20 Blayney
Open to classroom teachers only. Prereq., 72.

266. **TEACHING OF MUSIC IN ELEMENTARY GRADES** 3 8:40 Blayney
Music materials and methods. For elementary, music majors only. Prereq., 106.

307. **ARRANGING AND SCORING FOR BANDS** 2 8:40-9:40 Brophy
Scoring and arranging for the modern marching and symphonic band. Prereq., 104, 106, 233.

376c. **ELEMENTARY MUSIC WORKSHOP** 1 Arr. Blayney
Aug. 14-19.

384. **RESEARCH IN MUSIC** 1 or 2 Arr. Stephenson
Prereq., 30 hrs. or the equivalent, permission.

470. **CONTEMPORARY TRENDS IN MUSIC EDUCATION** 2 10:20-11:20 Stephenson
Prereq., permission.

471. **PROBLEMS IN THE SUPERVISION OF VOCAL MUSIC**
2 12-1:00 Stephenson
Prereq., 265, 266, 267, 2 hrs. observation, and 4 hrs. student teaching.

495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwind, brass, percussion), \$20 a semester hour. Prereq. in each area is permission.

VOICE	$\frac{1}{2}$ or 1	Arr.	Merritt
WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon	$\frac{1}{2}$ or 1	Arr.	Brophy
BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba	$\frac{1}{2}$ or 1	Arr.	Brophy
PERCUSSION INSTRUMENTS	$\frac{1}{2}$ or 1	Arr.	Brophy
UNIVERSITY BANDS	$\frac{1}{2}$	7 p.m. TTh	Brophy
431. VOICE	1	Arr.	Merritt
441. BRASS INSTRUMENTS	1	Arr.	Brophy

PHILOSOPHY

(FIRST TERM)

2. MORAL PHILOSOPHIES	3	8:40	Murphree
Types of ethical theory, the bases of moral decision, and the nature of values. Not open to juniors and seniors.			
117. SOCIAL PHILOSOPHY	2	10:20-11:20	Murphree
Basic types of social and political philosophies, classical and modern.			
391. SEMINAR IN PHILOSOPHY	1	Arr.	Murphree
Prereq., 15 hrs.			

(SECOND TERM)

1. PRINCIPLES OF REASONING	3	8:40	Cua
The use of evidence in establishing reliable conclusions. Not open to juniors and seniors.			
110. INTRODUCTION TO PHILOSOPHY	3	12:00	Cua
An analysis of typical philosophical problems arising in the study of nature, society, religion, and art for the purpose of developing a thoughtful and consistent intellectual perspective.			

PHYSICAL EDUCATION AND ATHLETICS

(FIRST TERM)

SERVICE COURSES FOR MEN AND WOMEN

3. BEGINNING SWIMMING	1	8:40	The Staff
For students who are unable to swim.			
4. INTERMEDIATE SWIMMING	1	10:20	The Staff
For students who have passed a beginner's swimming test or can swim; instruction and practice in the basic strokes, plain and surface diving. Prereq., 3 or equivalent.			
5. ADVANCED SWIMMING	1	10:20	The Staff
For those who have passed the Red Cross Swimmer's Test or its equivalent. The analysis and skills of diving, the recognized strokes and their variations, and fundamentals of competitive swimming. Prereq., 4 or perm.			
17. BEGINNING TENNIS	1	10:20	The Staff
Skills, court strategy, and rules.			
18. INTERMEDIATE TENNIS	1	10:20	The Staff
A continuation of 17. Prereq., 17 or experience.			
41. BEGINNING GOLF (3 sections)	1	10:20, 12, 1:40	The Staff
42. INTERMEDIATE GOLF	1	1:40	The Staff
Prereq., 41 or playing experience.			

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| 45. BEGINNING BOWLING | 1 | 1:10 | The Staff |
| \$10.50 pin fee. | | | |
| 47. RIDING | 1 | 3:20 | The Staff |
| At McAfee Farm. \$20.00 fee. | | | |
| RECREATIONAL DIP HOUR | 0 | 1:40 | The Staff |
| A swimming period reserved for mixed groups of summer session students. Instruction if desired. No fees and no credit. | | | |

MAJOR-MINOR

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

- | | | | |
|--|--------|-----------|---------------------|
| 102. PERSONAL AND COMMUNITY HEALTH | 3 | 10:20 | Mason |
| Hygienic practices and an appreciation of the means whereby the health of the individual and of the group may be maintained. | | | |
| 128. PHYSICAL THERAPY CLINIC | 1 | 1:40-5:00 | Schleicher |
| Theory and practice of physical therapy and the treatment of athletic injuries. Prereq., Zool. 133-134. (July 11-15) | | | |
| 267a. BASKETBALL CLINIC | 1 | 1:40-5:00 | Snyder, Staff |
| (June 20 through 24) | | | |
| 267b. BASEBALL CLINIC | 1 | 1:40-5:00 | Wren, Staff |
| (June 27 through July 1) | | | |
| 268a. FOOTBALL CLINIC | 1 | 1:40-5:00 | Hess, Staff |
| (June 13 through 17) | | | |
| 270. TEACHING OF PHYSICAL EDUCATION | 1 | 8:40 | MW O'Neal |
| Objectives, organization and program suggestions for elementary school. | | | |
| 309. TESTS AND MEASUREMENTS | 3 | 12:00 | Mason |
| Methods of evaluation in health education, physical education and athletics; practice in handling testing data by elementary statistical methods. Prereq., 10 hrs. and senior or graduate rank. | | | |
| 349. COMMUNITY RECREATION | 3 | 10:20 | Nessley |
| History of the play movement, programs and program building, administration of playgrounds, community centers, and recreational activities. Prereq., 10 hrs. and senior or graduate rank. | | | |
| 353. CLINICAL OBSERVATION AND PRACTICE IN PHYSICAL MEDICINE AND REHABILITATION | 4 | 8-5 | V.A. Hospital Staff |
| A concentrated summer school field course at Veterans Administration Hospital, Chillicothe, Ohio. Instruction by hospital corrective therapy staff. Open to senior majors or graduate students in physical education. Prereq., Zoology 133-134, or equivalent. | | | |
| 396. PROBLEMS OF INTERSCHOOL ATHLETICS | 3 | 8:40 | Widdoes, Staff |
| Problems pertaining to interschool competition at all age levels. Prereq., 10 hrs. and senior or graduate rank. | | | |
| 400. PROBLEMS IN HEALTH AND PHYSICAL EDUCATION | 1 to 2 | Arr. | Nessley, Staff |
| Guided independent study of selected problems. | | | |
| 495. THESIS | 1 to 6 | Arr. | The Staff |
| Prereq., permission. | | | |

(SECOND TERM)

See first term section for descriptions of the following service courses.

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|-----------------------|---|------|-----------|
| 3. BEGINNING SWIMMING | 1 | 8:40 | The Staff |
|-----------------------|---|------|-----------|

4. INTERMEDIATE SWIMMING	1	10:20	The Staff
5. ADVANCED SWIMMING	1	10:20	The Staff
17. BEGINNING TENNIS	1	10:20	The Staff
18. INTERMEDIATE TENNIS	1	10:20	The Staff
41. BEGINNING GOLF (3 sections)	1	10:20, 12, 1:40	The Staff
42. INTERMEDIATE GOLF	1	1:40	The Staff
45. BEGINNING BOWLING	1	1:40	The Staff
RECREATIONAL DIP HOUR	0	1:40	The Staff

MAJOR-MINOR

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

102. PERSONAL AND COMMUNITY HEALTH	3	8:40	Mason
See description under 102, first term.			
269. TEACHING OF HEALTH	3	10:20	Trepp
Instruction, principles and curricula used in presenting health information to pupils in the elementary and secondary school. Prereq., 102.			
270. TEACHING OF PHYSICAL EDUCATION	1	10:20 MW	O'Neal
See description under 270, first term.			
395. SCHOOL HEALTH PROBLEMS	3	12:00	Trepp
Principles, problems, organization, and administration of school health programs, including school and community relationships. Prereq., 10 hrs., senior or graduate rank.			
400. PROBLEMS IN HEALTH AND PHYSICAL EDUCATION	1 or 2	Arr.	Nessley, Staff
See description under 400, first term.			
491. SEMINAR IN PHYSICAL EDUCATION AND ATHLETICS	3	8:40	Mason
Research and investigation in health education, physical education, recreation or athletics. Topics and problems suitable for thesis writing, methods of research, writing practice, and critical analysis of outlines for research study.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission.			

PHYSICS

(FIRST TERM)

114. GENERAL PHYSICS	4	10:20 MTWThF	Otter
Lab. 1:40-3:40 MWF			
For students of chemistry, engineering, and mathematics. 114: fluids, heat, wave motion, sound, and light. Lectures with demonstration and recitation and lab.. Prereq., 113, Math 102 or with 102.			
352. INTRODUCTION TO QUANTUM MECHANICS	3	8:40	T. Smith
Introduction to basic universal physical laws in which energy and momentum are quantized. Prereq., 202.			
361. SPECIAL PROBLEMS	1 to 3	Arr.	The Staff
Supervised research problems of limited scope in experimental and theoretical physics. Prereq., 15 hrs.			
481. RESEARCH	1 to 3	Arr.	The Staff
Maximum credit in course, 6 hrs. Prereq., 24 hrs.			
495. THESIS OR DISSERTATION	As recommended by dept.	Arr.	The Staff
Prereq., permission.			

(SECOND TERM)

5. **INTRODUCTION TO PHYSICS** 4 8:40 MTWThF Malik
Lab. 4:40-5:40 MWF
Fundamentals of mechanics, electricity, magnetism, heat, light, sound, and atomic structure. For pre-professional students and physics majors.
332. **NUCLEAR PHYSICS—LABORATORY** 1 Arr. Malik
Prereq., 115.
361. **SPECIAL PROBLEMS** 1 to 3 Arr. The Staff
See description under 361, first term.
481. **RESEARCH** 1 to 3 Arr. The Staff
See description under 481, first term.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

PSYCHOLOGY

(FIRST TERM)

1. **GENERAL PSYCHOLOGY** 3 10:20 Johns
A survey of the most significant facts and principles of behavior. Not open to juniors and seniors.
5. **EDUCATIONAL PSYCHOLOGY** 3 10:20 Koons
A course covering psychological facts and principles of concern to those planning to teach. Prereq., 1 or 101. Not open to juniors and seniors.
9. **IMPROVEMENT OF READING AND STUDY METHODS** 1 8:40 MWF, Arr. Russell
Improvement of study and reading habits. Credit and points not counted toward a degree.
103. **CHILD PSYCHOLOGY** 3 8:40 Patrick
A study of behavior in infancy and childhood. Prereq., 1 or 101.
303. **MENTAL MEASUREMENTS** 3 7:00 Bradshaw
The theory, methods, practice and results of intelligence tests. Lectures and laboratories. Prereq., 9 hrs. and a course in statistics.
310. **BEHAVIOR PATHOLOGY** 3 10:20 Patrick
An empirical approach to the dynamics of behavior disorders. The integration and application of motivational, emotional, perceptual, and learning principles to maladjustment, including psychoneurosis. Prereq., 9 hrs.
325. **MINOR PROBLEMS IN PSYCHOLOGY** 1 to 3 Arr. The Staff
Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Maximum credit in course, 6 hrs. Prereq., 9 hrs. and permission.
353. **LEARNING** 3 8:40 Johns
A study of methods and basic data in the areas of conditioning, discrimination learning, problem solving, habit formation, and memory.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

1. **GENERAL PSYCHOLOGY** 3 10:20 Nygaard
See description under 1, first term.
5. **EDUCATIONAL PSYCHOLOGY** 3 10:20 Koenigsberg
See description under 5, first term.
103. **CHILD PSYCHOLOGY** 3 8:40 Koenigsberg
See description under 103, first term.

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|------|--|--------|------|-----------|
| 315. | SOCIAL PSYCHOLOGY | 3 | 8:40 | Nygaard |
| | A study of the behavior of man as influenced by group membership, with emphasis on the individual's interaction as a basis of change of motives, attitudes, and personality. Prereq., 9 hrs. | | | |
| 325. | MINOR PROBLEMS IN PSYCHOLOGY | 1 to 3 | Arr. | The Staff |
| | See description under 325, first term. | | | |
| 495. | THESIS | 1 to 6 | Arr. | The Staff |
| | Prereq., permission. | | | |

RADIO-TELEVISION

(FIRST TERM)

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|------|---|--------|----------------|------------|
| 47. | RADIO WORKSHOP — a. ENGINEERING | 1 or 2 | 8:40 TTh | Tompkins |
| 147. | RADIO WORKSHOP | 2 | 8:40 MWF, Arr. | Jukes |
| | Rehearsal, performance, and other work connected with radio broadcasting. Maximum credit in course, 4 hrs. Prereq., 6 hrs. in radio and permission. | | | |
| 301. | PRINCIPLES OF TELEVISION PRODUCTION | 3 | 7:00 | Highlander |
| | History of television, its impact on society and other media of communication, production aspects of television, general principles of transmission and reception. Prereq., junior standing, 10 hrs. in radio and permission. | | | |
| 385. | RADIO AND TELEVISION IN EDUCATION | 3 | 10:20 | Highlander |
| | Study of the problems in broadcasting and televising high school and college courses. Practical applications in setting up programs. Prereq., 12 hrs. Radio-TV or 12 hrs. Education, permission. | | | |
| 483. | SEMINAR IN RADIO AND TELEVISION | 3 | 1:40 MWF, Arr. | Jukes |
| | Special emphasis on the problems and the potentialities of educational television. Prereq., 12 hrs., permission. | | | |
| 494. | RESEARCH | 1 to 6 | Arr. | The Staff |
| | Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission. | | | |
| 495. | THESIS | 1 to 6 | Arr. | The Staff |
| | Prereq., permission. | | | |

(SECOND TERM)

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|------|---|--------|----------|------------|
| 47. | RADIO WORKSHOP — a. ENGINEERING | 1 or 2 | 8:40 TTh | Tompkins |
| | See description under 47, first term. | | | |
| 147. | RADIO WORKSHOP | 2 | 8:40 MWF | The Staff |
| | See description under 147, first term. | | | |
| 360. | INSTRUCTIONAL METHODS IN EDUCATIONAL TELEVISION | 2 or 3 | 8:40 | C. Johnson |
| | Practical applications of television in the public school classroom. Utilization of television programs as an adjunct to instruction. Preparation of instructional units for telecasting. Prereq., teaching experience or permission. | | | |
| 494. | RESEARCH | 1 to 6 | Arr. | The Staff |
| | See description under 494, first term. | | | |
| 495. | THESIS | 1 to 6 | Arr. | The Staff |
| | Prereq., permission. | | | |

ROMANCE LANGUAGES—See Modern Languages

SECRETARIAL STUDIES

(FIRST TERM)

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|-----|--|---|-------|------------|
| 15. | BEGINNING TYPEWRITING | 2 | 10:20 | Sponseller |
| | (2 hrs. lec. & lab.) | | | |
| | Development of basic skill on the typewriter and application of this skill to the more | | | |

common typing practices. Achievement standard—30 words per minute. Prereq., not open to those who have had high school typewriting. Does not give credit toward B.S.C. degree.

220. **BUSINESS COMMUNICATIONS** 3 8:40 Sponseller
Application of English in the writing of effective business letters and reports for typical business situations. Prereq., Eng. 4, junior or senior rank.
275. **SECRETARIAL PRACTICE** 3 Arr. Sponseller
Students spend time working in secretarial offices and in conference. Prereq., 151, 172, 173, 181. Does not give credit toward B.S.C. degree.

(SECOND TERM)

180. **OFFICE MACHINES** 2 10:20 Richards
(2 hrs. lec. & lab.)
Training in the solution of the more common mathematical business office problems on key-driven and crank-driven calculators. Instruction on accounting, dictating, and duplicating machines.
261. **TEACHING OF BUSINESS SUBJECTS** 3 8:40 Richards
Principles and procedures of teaching business subjects at the secondary level with emphasis in the areas of general business education and vocational business education. Prereq., junior rank, major or minor in Business Education. Does not give credit toward B.S.C. degree.

SOCIOLOGY

(FIRST TERM)

101. **PRINCIPLES OF SOCIOLOGY** 3 10:20 Fannin
Introductory course for students covering the same fields as 1, with more emphasis upon individual reading and reports. Not open to students who have taken 1. Not open to freshmen.
220. **SOCIAL PROBLEMS** 3 8:40 Fannin
Descriptive and theoretical analysis of major types of deviant and disorganized behavior involving individuals, families, and the community; popular and scientific programs of control and treatment. Prereq., 1 or 101.
381. **RESEARCH PROBLEMS IN SOCIOLOGY** 1 to 3 Arr. The Staff
Individual research; may be coordinated with other student or staff projects. Maximum credit in course, 6 hrs., Prereq., 151, 152 or 301 and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

101. **PRINCIPLES OF SOCIOLOGY** 3 10:20 Park
See description under 101, first term.
260. **MARRIAGE AND THE FAMILY** 3 8:40 Park
The family in various cultures; courtship, marriage, and family relationships in American society; family disorganization. Prereq., 1 or 101.
381. **RESEARCH PROBLEMS IN SOCIOLOGY** 1 to 3 Arr. The Staff
See description under 381, first term.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

SPANISH—See Modern Languages

SPEECH AND SPEECH AND HEARING THERAPY

(FIRST TERM)

SPEECH

- | | | | | |
|----|-------------------------------------|---|-----------|---------|
| 1. | FUNDAMENTALS OF SPEECH (4 sections) | 1 | 10:20 TTh | Wiseman |
| | | | 10:20 MW | Wiseman |
| | | | 1:40 TTh | Watkins |
| | | | 1:40 MW | Watkins |
- Study and practice of basic techniques for effective participation in everyday speaking situations.
309. CLASSICAL RHETORICAL THEORY 3 7:00 Watkins
 The principles of rhetoric based upon the theories of Aristotle, Cicero, Quintilian and Adams. Speeches of eminent orators are analyzed. Prereq., F.A. 203-204 or permission.
344. APPROACHES TO THE STUDY OF ORAL COMMUNICATION 3 1:40 Wiseman
 Comparison and integration of the various approaches to the study of communication behavior in individuals and groups. Prereq., 12 hrs., or 9 hrs. Psychology or permission.
494. RESEARCH 1 to 6 Arr. The Staff
 Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs. permission.
495. THESIS OR DISSERTATION As recommended by dept. Arr. The Staff
 Prereq., permission.

SPEECH AND HEARING THERAPY

194. SPEECH CORRECTION FOR THE CLASSROOM TEACHER 3 7:00 A. LaFollette
 Nature, causes, and treatment of defective speech in the public schools with special reference to the role of the regular classroom teacher. Open to majors in elementary education; others by permission. Not open to majors in dramatic art and speech.
247. CLINICAL PRACTICE IN SPEECH CORRECTION 1 or 2 Arr. The Staff
 Supervised clinical practice with children in the summer speech and hearing clinic. Prereq., 307, 310, 320, permission.
312. PHONETICS 3 8:40 Kantner
 The study of speech sounds from sociological, physiological, and acoustical points of view. Mastery of the International Phonetic Alphabet. Training in phonetic transcription. Prereq., 6 hrs. or permission.
405. CLINICAL PROGRAMS IN SPEECH AND HEARING THERAPY 3 10:20 A. LaFollette
 Organization and administration of clinical programs in speech and hearing therapy. Prereq., 310, 319, 320.
494. RESEARCH 2 to 6 Arr. The Staff
 Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., permission, 8 hrs.
495. THESIS OR DISSERTATION As recommended by dept. Arr. The Staff
 Prereq., permission.

(SECOND TERM)

SPEECH

- | | | | | |
|----|--------------------------------------|---|----------|-----------|
| 1. | FUNDAMENTALS OF SPEECH (3 sections) | 1 | 8:40 TTh | Staats |
| | See description under 1, first term. | | 1:40 TTh | Trisolini |
| | | | 1:40 MW | The Staff |

3. **PUBLIC SPEAKING** 2 10:20-11:20 Staats
Principles of public speaking. Practice in presenting short informative, entertaining, and persuasive speeches with emphasis upon intellectual and emotional adjustment to speaking situations. Prereq., 1 or proficiency test.
303. **ADVANCED ORAL INTERPRETATION** 3 8:40 Trisolini
A study of the principles of types of literature from the standpoint of the oral interpreter. Emphasis on the development of skill in the interpretation of the various forms of poetry, prose and dramatic literature. Prereq., 34.
175. **GREEK, ROMAN, AND PATRISTIC PUBLIC ADDRESS** 3 7:00 Staats
Historical and cultural aspects of public address in the Greek, Roman, and Patristic periods. Outstanding speakers and speeches of each period analyzed in terms of the issues of the times. Prereq., F.A. 203-204, Speech 309, History 115 or 120 or equivalent.
494. **RESEARCH** 1 to 6 Arr. The Staff
See description under 494, first term.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

SPEECH AND HEARING THERAPY

247. **CLINICAL PRACTICE IN SPEECH CORRECTION** 1 or 2 Arr. The Staff
See description under 247, first term.
329. **ADVANCED CLINICAL AUDIOLOGY** 3 10:20 Ham
Pathology of the ear and related speech disorders, emphasizing advanced techniques in the testing of hearing for analysis and for differential diagnosis. Prereq., 12 hrs.
345. **STUTTERING AND PSYCHOGENETIC DISORDERS OF SPEECH** 3 1:40 Ham
Nature, causes, development, and treatment of stuttering and other speech defects with psychogenic implications. Prereq., 310, 320, or with 320.
494. **RESEARCH** 1 to 6 Arr. The Staff
See description under 494, first term.
495. **THESIS OR DISSERTATION** As recommended by dept. Arr. The Staff
Prereq., permission.

STATISTICS

(FIRST TERM ONLY)

155. **BUSINESS STATISTICS** 4 (Lec.) 7:00; 8:40 M Soltow
(Schedule one lab.)
Lab. 8:40 TTh
Lab. 8:40 WF
Elementary statistical methods used in business.. Prereq., Ec. 12 or 102 and Math. 3 and 34 or Math. 15 and 16.
381. **RESEARCH IN BUSINESS STATISTICS** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce including 155 and permission.

ZOOLOGY

(FIRST TERM)

3. **PRINCIPLES OF ZOOLOGY** 3 7, 8:40 MTWTh H. Vallowe
Elementary physiology and anatomy of a living organism to illustrate principles of life: metabolism, growth, reproduction, and heredity. No credit if student has had Biology 1, 2.

103. **READINGS IN BIOLOGY** 1 Arr. H. Vallowe
For students interested in advances in biological fact and thought. Prereq., 4, or Biol. 2.
343. **BIOLOGICAL STUDIES** 1 or 2 Arr. H. Vallowe
Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs. and permission.
g. Physiological Zoology—physiological and related experimental studies.
h. Reading in Biology—Biological history, theory and advances.
k. Vertebrate Zoology—Classification, life history studies.

(SECOND TERM)

4. **PRINCIPLES OF ZOOLOGY** 3 7, 8:40 MTWThF Stehr
A survey of the important animal phyla to illustrate major biological principles; the relationships of animals and their environment; the doctrine of evolution as the underlying principle. Prereq., 3. No credit if student has had Biol. 1, 2.
103. **READINGS IN BIOLOGY** 1 Arr. Stehr
See description under 103, first term.
343. **BIOLOGICAL STUDIES** 1 or 2 Arr. Stehr
Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs., permission.
b. Ecology—field and laboratory studies of the relation between animals and their surroundings.
c. Entomolgy—classification, structure, life histories, and economic aspects of insects.
e. Invertebrate Zoology—classification, structure, embryology, and life history of invertebrates.
h. Readings in Biology—readings dealing with biological history, theory and advances.

Requests may be enclosed in one envelope and addressed to any one of the officials concerned at OHIO UNIVERSITY, ATHENS, OHIO. Add explanations that you feel will be helpful.

Date_____

DIRECTOR OF ADMISSIONS

I have never been a student for credit work on campus at Ohio University and I plan to enroll in the 1960 Summer Session. Please send me an application for admission for (check):

- ☐ Undergraduate Work
 - ☐ looking toward an Ohio University degree.
 - ☐ not looking toward an Ohio University degree.
- ☐ Graduate work.
- ☐ I desire acceptance for the Summer Session *only*.

Name_____

Address_____

City_____State_____

Date_____

REGISTRAR

I have attended Ohio University previously for credit work on campus. I last attended _____. Please send me a permit to register for the 1960 Summer Session.

Since attending Ohio University, I (have) (have not) attended college elsewhere. The school attended was_____

(Note: A former student should, if possible, request a permit to register at least a month in advance of the registration date.)

Name_____

City_____State_____

Date_____

DIRECTOR OF STUDENT HOUSING

Please provide information about university housing for the 1960 Summer Session:

- ☐ Room in dormitory.
- ☐ Room in private home.
- ☐ Facilities for married students. These are my particular needs.

Name_____

City_____State_____

Address_____

GRADUATE STUDY

at

OHIO UNIVERSITY

Programs of graduate study are available in Arts and Sciences, Education, Fine Arts, Commerce, Physical Education, and some areas of Engineering, leading to degrees of Doctor of Philosophy, Master of Arts, Master of Science, Master of Education, Master of Fine Arts, and Master of Business Administration.

Details concerning course offerings, admission and degree requirements, scholarships, assistantships and fellowships may be obtained by filling out this form and returning it to The Graduate College, Ohio University, Athens, Ohio.

I wish to do graduate work in (field) : _____

Please send me (check material desired): A graduate bulletin____, an application for admission____, or an application for assistantship or fellowship____.

Name_____

Street_____

City_____ State_____

Graduate College, Ohio University, Athens, Ohio

OUSS-60

-----TEAR ON THIS LINE-----

CORRESPONDENCE STUDY

at

OHIO UNIVERSITY

Correspondence courses at the college level are available from the colleges of Applied Science, Arts and Sciences, Education, Fine Arts, and Commerce, and from the Division of Physical Education and Athletics. Details concerning offerings, admission, and registration may be obtained by returning this form to the Extension Division, Ohio University, Athens, Ohio. Please send me a Correspondence Study Bulletin.

Name_____

Street_____

City_____ State_____

The Extension Division, Ohio University, Athens, Ohio

OUSS-60